WR-35
Rev (9-11)

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 8-6-2012
API #: 47-009-00102

Farm name: Kathy Mayhew BRK 5H Operator Well No.: 833621

LOCATION: Elevation: 1280' Quadrangle: Bethany

District: Buffalo County: Brooke
Latitude: 11,010 Feet South of 40 Deg. 12 Min. 30 Sec.
Longitude 5800 Feet West of 80 Deg. 35 Min. 00 Sec.

Company: Chesapeake Appalachia, L.L.C.

Address: P.O. Box 18496	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Oklahoma City, OK 73154-0496	13 3/8"	482'	482'	547 Cu. Ft.
Agent: Eric Gillespie	9 5/8"	1885'	1885'	836 Cu. FT
Inspector: Bill Hendershot	5 1/2"	10247'	10247'	2728 Cu. Ft.
Date Permit Issued: 07/05/2011				
Date Well Work Commenced: 9/29/2011				
Date Well Work Completed: 2/17/2012				
Verbal Plugging:				
Date Permission granted on:				
Rotary ☑ Cable ☐ Rig ☐				
Total Vertical Depth (ft): 6009'				
Total Measured Depth (ft): 10247'				
Fresh Water Depth (ft.): 300'				
Salt Water Depth (ft.): 900'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 434'				
Void(s) encountered (N/Y) Depth(s) Y 420'				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)
Producing formation Marcellus Pay zone depth (ft) 6,781' - 10,114'
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 578* MCF/d Final open flow 111 Bbl/d
Time of open flow between initial and final tests 66 Hours * Calculated
Static rock Pressure 3,895* psig (surface pressure) after _____ Hours

Second producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Marlene Williams
Signature

9-4-2012
Date

Were core samples taken? Yes_____ No N Were cuttings caught during drilling? Yes_____ No Y

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list
LWD GR from 5500-10247' MD.

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

(See Attached)

Plug Back Details Including Plug Type and Depth(s):

Formations Encountered: Top Depth / Bottom Depth
Surface:

(See Attached)

PERFORATION RECORD ATTACHMENT

Well Number and Name: 833621 Kathy Mayhew BRK 5H

PERFORATION RECORD			STIMULATION RECORD							
	Interval Perforated					*Fluid*		*Propping Agent*		Average
Date	From	To	Date	Interval Treated		Type	Amount	Type	Amount	Injection
1/25/2012	9,911	10,114	2/10/2012	9,911	10,114	Slk wtr	5,593	Sand	270,751	79
2/10/2012	9,464	9,848	2/11/2012	9,464	9,848	Slk wtr	10,563	Sand	573,803	72
2/11/2012	9,017	9,394	2/12/2012	9,017	9,394	Slk wtr	9,700	Sand	570,000	86
2/12/2012	8,570	8,954	2/13/2012	8,570	8,954	Slk wtr	10,209	Sand	571,046	85
2/13/2012	8,123	8,507	2/14/2012	8,123	8,507	Slk wtr	9,500	Sand	570,955	86
2/14/2012	7,675	8,060	2/15/2012	7,675	8,060	Slk wtr	9,394	Sand	572,715	88
2/15/2012	7,228	7,612	2/16/2012	7,228	7,612	Slk wtr	9,226	Sand	574,481	86
2/16/2012	6,781	7,165	2/17/2012	6,781	7,165	Slk wtr	9,759	Sand	569,223	86

LATERAL SIDETRACK WELLBORE (no vertical pilot hole associated with this well)

Maximum TVD of wellbore: 6009 ft TVD @ 7116 ft MD

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
LS/SS	0	0	434	434
PITTSBURG COAL	434	434	446	446
SS	446	446	1440	1440
BIG LIME (LS)	1440	1440	1490	1490
BIG INJUN (SS)	1490	1490	1740	1740
SHALE	1740	1740	5962	5826
GENESEO (SH)	5962	5826	5984	5842
TULLY (LS)	5984	5842	6069	5895
HAMILTON (SH)	6069	5895	6550	5981
MARCELLUS (SH)	6550	5981		
TD OF LATERAL			10247	5974

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State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 8-6-2012
API #: 47-009-00103

Farm name: Kathy Mayhew BRK 8H Operator Well No.: 833622

LOCATION: Elevation: 1270' Quadrangle: Bethany WV

District: Buffalo County: Brooke
Latitude: 11000 Feet South of 40 Deg. 12 Min. 30 Sec.
Longitude 5820' Feet West of 80 Deg. 35 Min. 00 Sec.

Company: Chesapeake Appalachia, L.L.C.

Address: P.O. Box 18496	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Oklahoma City, OK 73154-0496	20"	109'	109'	Driven
Agent: Eric Gillespie	13 3/8"	508'	508'	421 Cu. Ft.
Inspector: Bill Hendershot	9 5/8"	1897'	1897'	825 Cu. Ft.
Date Permit Issued: 7/5/2011	5 1/2"	10751'	10751'	2711 Cu. Ft.
Date Well Work Commenced: 9/20/2011				
Date Well Work Completed: 2/18/2012				
Verbal Plugging:				
Date Permission granted on:				
Rotary ☑ Cable ☐ Rig ☐				
Total Vertical Depth (ft): 6073'				
Total Measured Depth (ft): 10751'				
Fresh Water Depth (ft.): 300'				
Salt Water Depth (ft.): 900'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 434'				
Void(s) encountered (N/Y) Depth(s) Y 425'				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)
Producing formation Marcellus Pay zone depth (ft) 6,425' - 10,619'
Gas: Initial open flow ____ MCF/d Oil: Initial open flow ____ Bbl/d
Final open flow 1,573* MCF/d Final open flow 319 Bbl/d
Time of open flow between initial and final tests 37 Hours * Calculated
Static rock Pressure 3,946* psig (surface pressure) after ____ Hours

Second producing formation ____ Pay zone depth (ft) ____
Gas: Initial open flow ____ MCF/d Oil: Initial open flow ____ Bbl/d
Final open flow ____ MCF/d Final open flow ____ Bbl/d
Time of open flow between initial and final tests ____ Hours
Static rock Pressure ____ psig (surface pressure) after ____ Hours

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Office of Oil and Gas
SEP 05 2012
WV Department of
Environmental Protection

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Marlene Williams
Signature

9-4-2012
Date

Were core samples taken? Yes_____ No N Were cuttings caught during drilling? Yes Y No_____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list
LWD GR from 5380-10751' MD.

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

(See Attached)

Plug Back Details Including Plug Type and Depth(s):

Formations Encountered: Top Depth / Bottom Depth
Surface:

(See Attached)

PERFORATION RECORD ATTACHMENT

Well Number and Name: 833622 Kathy Mayhew BRK 8H

PERFORATION RECORD			STIMULATION RECORD							
	Interval Perforated					*Fluid*		*Propping Agent*		Average
Date	From	To	Date	Interval Treated		Type	Amount	Type	Amount	Injection
1/25/2012	10,236	10,619	2/10/2012	10,236	10,619	Slk wtr	9,471	Sand	572,677	90
2/10/2012	9,759	10,143	2/11/2012	9,759	10,143	Slk wtr	9,880	Sand	572,698	86
2/11/2012	9,283	9,666	2/12/2012	9,283	9,666	Slk wtr	12,220	Sand	571,584	85
2/12/2012	8,807	9,190	2/13/2012	8,807	9,190	Slk wtr	9,267	Sand	572,028	85
2/13/2012	8,330	8,714	2/14/2012	8,330	8,714	Slk wtr	9,526	Sand	572,272	86
2/14/2012	7,854	8,237	2/15/2012	7,854	8,237	Slk wtr	9,398	Sand	574,873	86
2/15/2012	7,378	7,761	2/16/2012	7,378	7,761	Slk wtr	9,738	Sand	565,922	85
2/16/2012	6,901	7,285	2/17/2012	6,901	7,285	Slk wtr	9,356	Sand	571,670	84
2/17/2012	6,425	6,808	2/18/2012	6,425	6,808	Slk wtr	9,278	Sand	574,110	85

LATERAL SIDETRACK WELLBORE (no vertical pilot hole associated with this well)

Maximum TVD of wellbore: 6073 ft TVD @ 10751 ft MD

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
LS/SS	0	0	434	434
PITTSBURG COAL	434	434	446	446
SS	446	446	1440	1440
BIG LIME (LS)	1440	1440	1490	1490
BIG INJUN (SS)	1490	1490	1740	1740
SHALE	1740	1740	5845	5815
GENESEO (SH)	5845	5815	5863	5829
TULLY (LS)	5863	5829	5950	5888
HAMILTON (SH)	5950	5888	6208	5979
MARCELLUS (SH)	6208	5979		
TD OF LATERAL			10751	6073

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State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 10-2-2012
API #: 47-009-00109

Farm name: Mike Ryniawec BRK 8H Operator Well No.: 833799

LOCATION: Elevation: 1147' Quadrangle: Bethany WV

District: Buffalo County: Brooke
Latitude: 7270' Feet South of 40 Deg. 12 Min. 30 Sec.
Longitude 8430' Feet West of 80 Deg. 35 Min. 00 Sec.

Company: Chesapeake Appalachia, L.L.C.

Address: P.O. Box 18496	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Oklahoma City, OK 73154-0496	20"	100'	100'	202 Cu. Ft.
Agent: Eric Gillespie	13 3/8"	365'	365'	112 Cu. Ft.
Inspector: Bill Hendershot	9 5/8"	1854'	1854'	847 Cu. Ft.
Date Permit Issued: 11-22-2011	5 1/2"	11081'	11081'	2638 Cu. Ft.
Date Well Work Commenced: 2-10-2012				
Date Well Work Completed: 7-3-2012				
Verbal Plugging:				
Date Permission granted on:				
Rotary ☑ Cable ☐ Rig ☐				
Total Vertical Depth (ft): 5977'				
Total Measured Depth (ft): 11,084'				
Fresh Water Depth (ft.): 60', 320'				
Salt Water Depth (ft.): 1223'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 330'				
Void(s) encountered (N/Y) Depth(s) Y 330'				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)
Producing formation Marcellus Pay zone depth (ft) 6,130'-10,953'
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 1,922* MCF/d Final open flow 286 Bbl/d
Time of open flow between initial and final tests 53 Hours *Calculated
Static rock Pressure 3,884* psig (surface pressure) after _____ Hours

Second producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Marlene Williams
Signature

10-2-2012
Date

Were core samples taken? Yes_____ No X Were cuttings caught during drilling? Yes_____ No X

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list LWD GR from 5,400' MD -10,958' MD

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

(See attached)

Plug Back Details Including Plug Type and Depth(s):

Formations Encountered: Top Depth / Bottom Depth
Surface:

(See attached)

PERFORATION RECORD ATTACHMENT

Well Number and Name: 833799 Mike Ryniawec BRK 8H

PERFORATION RECORD			STIMULATION RECORD							
	Interval Perforated					*Fluid*		*Propping Agent*		Average
Date	From	To	Date	Interval Treated		Type	Amount	Type	Amount	Injection
6/13/2012	10,403	10,953	6/27/2012	10,403	10,953	Slk wtr	12,344	Sand	611,640	80.1
6/27/2012	9,792	10,341	6/28/2012	9,792	10,341	Slk wtr	12,078	Sand	608,100	80
6/28/2012	9,181	9,733	6/28/2012	9,181	9,733	Slk wtr	12,463	Sand	610,520	80
6/28/2012	8,571	9,122	6/29/2012	8,571	9,122	Slk wtr	12,325	Sand	611,880	80
6/29/2012	7,961	8,512	6/29/2012	7,961	8,512	Slk wtr	12,880	Sand	615,120	80
6/29/2012	7,351	7,902	6/29/2012	7,351	7,902	Slk wtr	13,012	Sand	609,420	79.5
7/3/2012	6,740	7,292	7/3/2012	6,740	7,292	Slk wtr	12,601	Sand	612,200	79.6
7/3/2012	6,130	6,681	7/3/2012	6,130	6,681	Slk wtr	12,577	Sand	611,700	79.9

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LATERAL SIDETRACK WELLBORE (no vertical pilot hole associated with this well)

Maximum TVD of wellbore: 5976 ft TVD @ 11084 ft MD

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
SS	0	0	330	330
COAL	330	330	338	338
SS	338	338	750	750
LS/SS	750	750	796	796
SS	796	796	1270	1270
SS/LS	1270	1270	1300	1300
LS	1300	1300	1420	1420
SS/LS	1420	142	1470	1470
BIG INJUN	1470	1470	1674	1674
SH	1674	1674	5770	5770
GENESEO (SH)	5751	5727	5769	5741
TULLY (LS)	5769	5741	5846	5799
HAMILTON (SH)	5846	5799	6026	5892
MARCELLUS (SH)	6026	5892		
TD OF LATERAL			11084	5977

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State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 10-15-2012
API #: 47-009-00115

Farm name: Alan H Degarmo BRK 3H Operator Well No.: 834168

LOCATION: Elevation: 1205' Quadrangle: 247-Bethany

District: Buffalo County: Brooke
Latitude: 8470' Feet South of 40 Deg. 15 Min. 00 Sec.
Longitude 1320' Feet West of 80 Deg. 32 Min. 30 Sec.

Company: Chesapeake Appalachia, L.L.C.

Address: P.O. Box 18496	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Oklahoma City, OK 73154-0496	13 3/8"	326'	326'	426 Cu. Ft.
Agent: Eric Gillespie	9 5/8"	1719'	1719	797 Cu. Ft.
Inspector: Bill Hendershot	5 1/2"	11607'	11607'	2513 Cu. Ft.
Date Permit Issued: 1-18-2012				
Date Well Work Commenced: 4-5-2012				
Date Well Work Completed: 7-15-2012				
Verbal Plugging:				
Date Permission granted on:				
Rotary ☑ Cable ☑ Rig ☐				
Total Vertical Depth (ft): 5897'				
Total Measured Depth (ft): 11612'				
Fresh Water Depth (ft.): 71', 248'				
Salt Water Depth (ft.): 1220'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 305'				
Void(s) encountered (N/Y) Depth(s) Y 305'				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)
Producing formation Marcellus Pay zone depth (ft) 6,150'-11,477'
Gas: Initial open flow ____ MCF/d Oil: Initial open flow ____ Bbl/d
Final open flow 1,628* MCF/d Final open flow 271 Bbl/d
Time of open flow between initial and final tests 37 Hours *Calculated
Static rock Pressure 3,790* psig (surface pressure) after ____ Hours

Second producing formation ____ Pay zone depth (ft) ____
Gas: Initial open flow ____ MCF/d Oil: Initial open flow ____ Bbl/d
Final open flow ____ MCF/d Final open flow ____ Bbl/d
Time of open flow between initial and final tests ____ Hours
Static rock Pressure ____ psig (surface pressure) after ____ Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Marlon Williams
Signature

10-16-2012
Date

Were core samples taken? Yes_____ No N_____ Were cuttings caught during drilling? Yes Y_____ No_____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list_____

GR MWD FROM 5000' TO 11549'

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

(See attached)

Plug Back Details Including Plug Type and Depth(s):

Formations Encountered: Top Depth / Bottom Depth

Surface:

(See attached)

LATERAL SIDETRACK WELLBORE (no pilot hole associated with this well)

Maximum TVD of wellbore: 5897 ft TVD @ 11549 ft MD

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
SS/LS	0	0	305	305
PITTSBURG COAL	305	305	311	311
SS/LS	311	311	628	628
SHALE	628	628	838	838
SS/SH	838	838	1375	1375
BIG INJUN SS	1375	1375	1575	1575
SHALE	1575	1575	5731	5684
GENESEO (SH)	5731	5684	5749	5696
TULLY (LS)	5749	5696	6074	5853
MARCELLUS (SH)	6074	5853		
TD OF LATERAL			11549	5831

PERFORATION RECORD ATTACHMENT

Well Number and Name: 834168 Alan H Degarmo BRK 3H

PERFORATION RECORD			STIMULATION RECORD							
	Interval Perforated					*Fluid*		*Propping Agent*		Average
Date	From	To	Date	Interval Treated		Type	Amount	Type	Amount	Injection
6/21/2012	10,884	11,477	7/12/2012	10,884	11,477	Slk wtr	12,311	Sand	664,880	85
7/12/2012	10,208	10,801	7/12/2012	10,208	10,801	Slk wtr	12,671	Sand	664,900	85
7/12/2012	9,532	10,124	7/13/2012	9,532	10,124	Slk wtr	12,491	Sand	665,520	83
7/13/2012	8,855	9,448	7/13/2012	8,855	9,448	Slk wtr	12,493	Sand	665,060	84
7/13/2012	8,179	8,771	7/14/2012	8,179	8,771	Slk wtr	12,126	Sand	666,040	86
7/14/2012	7,503	8,095	7/14/2012	7,503	8,095	Slk wtr	12,130	Sand	665,920	84
7/14/2012	6,826	7,419	7/14/2012	6,826	7,419	Slk wtr	11,947	Sand	684,060	86
7/14/2012	6,150	6,742	7/15/2012	6,150	6,742	Slk wtr	12,120	Sand	676,600	85

WR-35
Rev (9-11)

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 10-18-2012
API #: 47-009-00119

Farm name: John Harwatt BRK 8H Operator Well No.: 834171

LOCATION: Elevation: 1135' Quadrangle: 247-Bethany

District: Buffalo County: Brooke
Latitude: 2570 Feet South of 40 Deg. 12 Min. 30 Sec.
Longitude 10210' Feet West of 80 Deg. 35 Min. 00 Sec.

Company: Chesapeake Appalachia, L.L.C.

Address: P.O. Box 18496	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Oklahoma City, OK 73154-0496	13 3/8"	391'	391'	477 Cu. Ft.
Agent: Eric Gillespie	9 5/8"	1799'	1799'	818 Cu. Ft.
Inspector: Bill Hendershot	5 1/2"	11184'	11184'	2588 Cu. Ft.
Date Permit Issued: 1-23-2012				
Date Well Work Commenced: 3-1-2012				
Date Well Work Completed: 7-18-2012				
Verbal Plugging:				
Date Permission granted on:				
Rotary ☑ Cable ☐ Rig ☐				
Total Vertical Depth (ft): 5999'				
Total Measured Depth (ft): 11190'				
Fresh Water Depth (ft.): 70', 300'				
Salt Water Depth (ft.): 1190'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 318'				
Void(s) encountered (N/Y) Depth(s) N				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)
Producing formation Marcellus Pay zone depth (ft) 6,199'-11,048'
Gas: Initial open flow ____ MCF/d Oil: Initial open flow ____ Bbl/d
Final open flow 909* MCF/d Final open flow 122 Bbl/d
Time of open flow between initial and final tests 37 Hours *Calculated
Static rock Pressure 3,899* psig (surface pressure) after ____ Hours

Second producing formation ____ Pay zone depth (ft) ____
Gas: Initial open flow ____ MCF/d Oil: Initial open flow ____ Bbl/d
Final open flow ____ MCF/d Final open flow ____ Bbl/d
Time of open flow between initial and final tests ____ Hours
Static rock Pressure ____ psig (surface pressure) after ____ Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Marlene Williams
Signature

10-18-2012
Date

Were core samples taken? Yes_____ No X_____ Were cuttings caught during drilling? Yes_____ No X_____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list GR MWD from 5303'-11135' MD

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

(See attached)

Plug Back Details Including Plug Type and Depth(s):

Formations Encountered: Top Depth / Bottom Depth

Surface:

(See attached)

PERFORATION RECORD ATTACHMENT

Well Number and Name: 834171 John Harwatt BRK 8H

PERFORATION RECORD			STIMULATION RECORD							
	Interval Perforated					*Fluid*		*Propping Agent*		Average
Date	From	To	Date	Interval Treated		Type	Amount	Type	Amount	Injection
6/24/2012	10,509	11,048	7/13/2012	10,509	11,048	Slk wtr	12,813	Sand	626,260	80
7/13/2012	9,893	10,432	7/13/2012	9,893	10,432	Slk wtr	12,478	Sand	629,260	79
7/13/2012	9,278	9,816	7/14/2012	9,278	9,816	Slk wtr	12,560	Sand	625,500	78
7/14/2012	8,662	9,201	7/14/2012	8,662	9,201	Slk wtr	12,729	Sand	623,000	80
7/14/2012	8,046	8,585	7/15/2012	8,046	8,585	Slk wtr	12,766	Sand	622,460	80
7/15/2012	7,430	7,964	7/15/2012	7,430	7,964	Slk wtr	12,387	Sand	620,690	80
7/15/2012	6,815	7,349	7/18/2012	6,815	7,349	Slk wtr	12,418	Sand	625,500	80
7/18/2012	6,199	6,740	7/18/2012	6,199	6,740	Slk wtr	14,226	Sand	627,240	80

LATERAL SIDETRACK WELLBORE (no vertical pilot hole associated with this well)

Maximum TVD of wellbore: 5999 ft TVD @ 11190 ft MD

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
LS/SS	0	0	318	318
PITTSBURG COAL	318	318	326	326
LS/SS	326	326	490	490
SH/SS	490	490	700	700
SS	700	700	1030	1030
SS/LS	1030	1030	1090	1090
SS	1090	1090	1360	1360
LS	1360	1360	1390	1390
SS/LS	1390	1390	1420	1420
SS/SH	1420	1420	1480	1480
BIG INJUN (SS)	1480	1480	1636	1636
SHALE	1636	1636	5810	5784
GENESEO (SH)	5810	5784	5828	5798
TULLY (LS)	5828	5798	5903	5853
HAMILTON (SH)	5903	5853	6112	5955
MARCELLUS (SH)	6112	5955		
TD OF LATERAL			11135	5998

WR-35
Rev (9-11)

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 2012-10-11 Amended
API #: 4701705958

Farm name: John R. Davies et al Operator Well No.: 513369

LOCATION: Elevation: 1130 Quadrangle: West Union

District: Unknown County: Doddridge, WV
Latitude: 39.26572 Feet South of ____ Deg. ____ Min. ____ Sec.
Longitude -80.77883 Feet West of ____ Deg. ____ Min. ____ Sec.

Company: EQT Production Company

Address: EQT Plaza, Suite 1700	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
625 Liberty Avenue, Pittsburgh, PA 15222	20	40	40	45.22
Agent: Cecil Ray	13 3/8	1,111	1,111	873.3
Inspector: David Scrange	9 5/8	3,125	3,125	1,265.6
Date Permit Issued: 2010-06-10	5 1/2	9,643	9,643	1,296.82
Date Well Work Commenced: 2010-07-13				
Date Well Work Completed: 2011-04-22				
Verbal Plugging: N/A				
Date Permission granted on: N/A				
Rotary ☑ Cable ☐ Rig ☑				
Total Vertical Depth (ft): 6,647.93				
Total Measured Depth (ft): 9,647				
Fresh Water Depth (ft.): FW @ 66,157,268,343				
Salt Water Depth (ft.): None Encountered				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 60, 205, 403, 675				
Void(s) encountered (N/Y) Depth(s) N				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)
Producing formation Marcellus Pay zone depth (ft) ____
Gas: Initial open flow ____ MCF/d Oil: Initial open flow ____ Bbl/d
Final open flow 8,832 MCF/d Final open flow ____ Bbl/d
Time of open flow between initial and final tests ____ Hours
Static rock Pressure 850 psig (surface pressure) after ____ Hours

Second producing formation ____ Pay zone depth (ft) ____
Gas: Initial open flow ____ MCF/d Oil: Initial open flow ____ Bbl/d
Final open flow ____ MCF/d Final open flow ____ Bbl/d
Time of open flow between initial and final tests ____ Hours
Static rock Pressure ____ psig (surface pressure) after ____ Hours

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OCT 22 2012
WV Department of Environmental Protection

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Signature

2012-10-11
Date

Were core samples taken? Yes X No_____ Were cuttings caught during drilling? Yes X No_____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Geophysical

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

See Attachment

Plug Back Details Including Plug Type and Depth(s):

Formations Encountered: Top Depth / Bottom Depth
Surface:

Sand / 0 / 55 / 55 -- Shale / 55 / 60 / 5 -- Coal / 60 / 62 / 2 -- Sand / 62 / 100 / 38 -- Red Rock / 100 / 108 / 8 --
Shale / 108 / 205 / 97 -- Coal / 205 / 210 / 5 -- Sand / 210 / 240 / 30 -- Red Rock / 240 / 250 / 10 -- Red Rock / 250 / 265 / 15 --
Sand / 265 / 280 / 15 -- Red Rock / 280 / 290 / 10 -- Sand and Shale / 290 / 330 / 40 -- Red Rock / 330 / 350 / 20 --
Sand and Shale / 350 / 403 / 53 -- Coal / 403 / 406 / 3 -- Sand and Shale / 406 / 675 / 269 -- Coal / 675 / 677 / 2 --
Sand and Shale / 677 / 983 / 306 --Shale / 750 / 840 / 90 -- Red Rock / 840 / 860 / 20 -- Sand / 860 / 1,070 / 210 --
Red Rock / 1,070 / 1,085 / 15 -- Sand / 1,085 / 3,222 / 2,137 -- WARREN / 3,222.06 / 3,304.96 / 82.9 -- SPEECHLEY / 3,304.96 / 3,988.6 / 683.64 --
BALLTOWN B / 3,988.6 / 4,175.98 / 187.38 -- BRADFORD / 4,175.98 / 4,450.42 / 274.44 -- RILEY / 4,450.42 / 4,887.17 / 436.75 --
BENSON / 4,887.17 / 5,140.73 / 253.56 -- ALEXANDER / 5,140.73 / 6,249.28 / 1,108.55 -- SONYEA / 6,249.28 / 6,483.95 / 234.67 --
MIDDLESEX / 6,483.95 / 6,536.19 / 52.24 -- GENESSEE / 6,536.19 / 6,613.69 / 77.5 -- GENESEO / 6,613.69 / 6,642.8 / 29.11
TULLY / 6,642.8 / 6,667.05 / 24.25 -- HAMILTON / 6,667.05 / 6,682.09 / 15.04 -- MARCELLUS BLK SHALE / 6,682.09 / 6,697.36 / 15.27 --

Stage	Formation	Frac Type			
1A	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
2/28/2011	9378 - 9620		7,848.00	8,456.00	5 Min: 4035
					10 Min: 3813
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 3666
41.20	9,063.00	4,936.00	9573		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
2,800.00	5,238.00		4,000.00		

Stage	Formation	Frac Type			
1B	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
2/28/2011	9299 - 9401		5,953.00	8,118.00	5 Min: 3707
					10 Min: 3404
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 3228
93.60	9,065.00	5,130.00	1.2		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
402,670.00	10,407.00		2,000.00		

Stage	Formation	Frac Type			
2	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
3/1/2011	8999 - 9241		5,856.00	7,543.00	5 Min: 4775
					10 Min: 4423
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 4175
100.30	7,907.00	5,269.00	1.22		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
464,210.00	9,945.00		2,000.00		

Stage	Formation	Frac Type			
3	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
3/1/2011	8778 - 9020		5,757.00	7,111.00	5 Min: 4596
					10 Min: 4774
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 4456
98.20	8,632.00	5,469.00	1.26		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
398,650.00	9,929.00		2,000.00		

Stage	Formation	Frac Type			
4	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
3/1/2011	6697 - 7182		6,697.00	7,182.00	5 Min: 4790
					10 Min: 4514
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 4299
100.50	8,609.00	5,576.00	1.27		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
396,860.00	9,983.00		2,000.00		

Stage	Formation	Frac Type			
5	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
3/1/2011	8099 - 8341		6,483.00	7,644.00	5 Min: 4081
					10 Min: 3662
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 3401
97.90	8,241.00	4,669.00	0		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
405,050.00	9,788.00		2,000.00		

Stage	Formation	Frac Type			
6	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
3/2/2011	7799 - 8041		5,746.00	7,614.00	5 Min: 4179
					10 Min: 4769
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 4410
94.16	8,672.00	5,592.00	1.27		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
397,500.00	10,907.00		2,000.00		

Stage	Formation	Frac Type			
7	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
3/2/2011	7499 - 7741		5,542.00	6,844.00	5 Min: 4147
					10 Min: 3859
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 3789
89.00	8,314.00	5,259.00	1.22		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
399,380.00	9,892.00		2,000.00		

Stage	Formation	Frac Type			
8	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
3/2/2011	7199 - 7441		5,727.00	6,976.00	5 Min: 3480
					10 Min: 3232
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 3092
92.80	7,206.00	4,532.00	1.11		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
403,200.00	9,567.00		2,000.00		

WR-35

Date November 5, 2012
API # 47-049-01572

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas
Well Operator's Report of Well Work

Farm Name: Consolidation Coal Co. Operator Well No.: E-0658

LOCATION: Elevation: 1227' Quadrangle: Shinnston
District: Lincoln County: Marion
Latitude: 10,190' feet South of 39 DEG. 30 MIN. 00 SEC.
Longitude: 4,715' feet West of 80 DEG. 17 MIN. 30 SEC.

Company: Linn Operating, Inc
480 Industrial Park Road
Jane Lew, WV 26378

Agent: Gary Beall
Inspector: Terry Urban
Permit Issued: 1/27/2005
Well Work Commenced: December 6, 2005
Well Work Completed: December 20, 2005
Verbal Plugging:
Permission granted on:
Rotary X Cable
Total Depth (feet) 4017
Fresh Water Depths (ft) None
Salt Water Depths (ft) None
Is coal being mined in area (Y / N) ? N
Coal Depths (ft) 335'-338', 460'-470',

Casing & Tubing Size	Used in Drilling	Left In Well	Cement Fill Up Cu. Ft.
13 3/8"	19'	19'	
7"	1162'	1162'	C.T.S.
4 1/2"	4080'	4017'	190 sks

OPEN FLOW DATA

Producing Formation See Treatment Pay Zone Depth (ft) 1973' - 3931'
Gas: Initial Open Flow ---------- MCF/d Oil: Initial Open Flow ---------- Bbl/d
Final Open Flow ---------- MCF/d Final Open Flow ---------- Bbl/d
Time of open flow between initial and final tests ---------- Hours
Static rock pressure ---------- psig surface pressure after ---------- Hours

Second Producing Formation ----- Pay Zone Depth (ft) -----
Gas: Initial Open Flow ----- MCF/d Oil: Initial Open Flow ----- Bbl/d
Final Open Flow ----- MCF/d Final Open Flow ----- Bbl/d
Time of open flow between initial and final tests ----- Hours
Static rock pressure ----- psig surface pressure after ----- Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1.) DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2.) THE WELL LOG WHICH IS SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

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Office of Oil & Gas
NOV 05 2012
WV Department of
Environmental Protection

For: Linn Operating, Inc.
By:
Date: 11-5-12

Form IV-35 (Reverse)

Well # E-0658
API # 47-049-01572

Details Of Perforated Intervals, Fracturing, or Stimulating Physical Change Etc.

Stage 1	**3931' - 3755' 2700#'s ATP, 31 bpm, 20,000#'s 30/50 mesh sand - Balltown**
Stage 2	**2879' - 2874' 2450#'s ATP, 31 bpm, 17,500#'s 30/50 mesh sand - 5th**
Stage 3	**2743' - 2738' 3250#'s ATP, 20 bpm, 7,500#'s 30/50 mesh sand - Gordon**
Stage 4	**2495' - 2490' 3500#'s ATP, 20 bpm, 7,500#'s 30/50 mesh sand - 30 ft**
Stage 5	**2427' - 2410' 3600#'s ATP, 20 bpm, 7,500#'s 30/50 mesh sand - 50 ft**
Stage 6	**1973' - 1965' 3650#'s ATP, 26 bpm, 10,000#'s 30/50 mesh sand - Pocono**
Stage 7	**1938' - 1896' 3000#'s ATP, 27 bpm, 16,600#'s 30/50 mesh sand - Big Injun**

Formation color hard or soft	Top Fee	Bottom Feet	Remarks
Dirt & Gob	0	70	
Sand Stone	70	175	
Sand/Shale	175	230	
Sand	230	335	
Sewickley Coal	335	338	
Sand/Shale	338	460	
Pitts Coal	460	470	
Sand/Shale	470	510	
Sand	510	540	
Sand/Shale	540	570	
Sand	570	630	
Sand/shale	630	785	
Shale	785	910	
Sand	910	1030	
Sand/Shale	1030	1110	
Sand	1110	1270	
Shale	1270	1350	
Sand/Shale	1350	1395	
Sand	1395	1470	
Sand/Shale	1470	1560	
Red Rock	1560	1700	
Shale	1700	1715	
Little Lime	1715	1755	
Shale	1755	1760	
Big Lime	1760	1860	
Sand	1860	1980	
Sand/Shale	1980	2000	
Sand	2000	2090	
Sand/Shale	2090	2110	
Sand	2110	2270	
Sand/Shale	2270	2385	
Sand	2385	2510	
Sand/Shale	2510	2550	
Sand	2550	2670	
Sand/Shale	2670	2730	
Sand	2730	2885	
Shale	2885	2970	
Sand	2970	3150	
Sand/Shale	3150	3240	
Sand	3240	3310	
Sand/Shale	3310	3450	
Sand	3450	3570	
Sand/Shale	3570	3720	
Sand	3720	3760	
Sand/Shale	3760	3870	
Shale	3870	4080	

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Rev (9-11)

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 8-7-2012
API #: 47-049-02173

Farm name: Daniel Morris MRN 3H Operator Well No.: 833805

LOCATION: Elevation: 1567' Quadrangle: Fairmont East

District: Winfield County: Marion
Latitude: 3,067' Feet South of 39 Deg. 30 Min. 00 Sec.
Longitude 8,981' Feet West of 80 Deg. 00 Min. 00 Sec.

Company: Chesapeake Appalachia, L.L.C.

Address: P.O. Box 18496	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Oklahoma City, OK 73154-0496	20"	120'	120'	210 Cu. Ft.
Agent: Eric Gillespie	13 3/8"	450'	450'	494 Cu. Ft.
Inspector: Sam Ward	9 5/8"	3170'	3170'	1397 Cu. Ft.
Date Permit Issued: 9-30-2011	5 1/2"	13134	13134'	2627 Cu. Ft.
Date Well Work Commenced: 1-1-2012				
Date Well Work Completed: 3-26-2012				
Verbal Plugging:				
Date Permission granted on:				
Rotary ☑ Cable ☐ Rig ☐				
Total Vertical Depth (ft): 7,434'				
Total Measured Depth (ft): 13,135'				
Fresh Water Depth (ft.): 350'				
Salt Water Depth (ft.): N/A				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 217'				
Void(s) encountered (N/Y) Depth(s) N				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)
Producing formation Marcellus Pay zone depth (ft) 7,670' - 13,004'
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 927* MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 72 Hours *Calculated
Static rock Pressure 4,802* psig (surface pressure) after _____ Hours

Second producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

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Office of Oil and Gas
SEP 05 2012
WV Department of
Environmental Protection

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Marlene Williams
Signature

9-4-2012
Date

Were core samples taken? Yes_____ No X Were cuttings caught during drilling? Yes X No_____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list_____
Resistivity and Nuclear in vertical section, MWD GR in lateral.

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

(See Attached)

Plug Back Details Including Plug Type and Depth(s):

Formations Encountered: Top Depth / Bottom Depth
Surface:

(See Attached)

PERFORATION RECORD ATTACHMENT

Well Number and Name: 833805 Daniel Morris MRN 3H

PERFORATION RECORD			STIMULATION RECORD							
	Interval Perforated					*Fluid*		*Propping Agent*		Average
Date	From	To	Date	Interval Treated		Type	Amount	Type	Amount	Injection
3/1/2012	12,420	13,004	3/23/2012	12,420	13,004	Slk wtr	12,588	Sand	665,040	74
3/23/2012	11,741	12,326	3/23/2012	11,741	12,326	Slk wtr	12,410	Sand	667,140	80
3/23/2012	11,063	11,647	3/24/2012	11,063	11,647	Slk wtr	12,464	Sand	665,480	80
3/24/2012	10,384	10,969	3/24/2012	10,384	10,969	Slk wtr	12,289	Sand	675,780	80
3/24/2012	9,706	10,290	3/25/2012	9,706	10,290	Slk wtr	12,883	Sand	665,280	80
3/25/2012	9,027	9,612	3/26/2012	9,027	9,612	Slk wtr	12,434	Sand	667,600	79
3/26/2012	8,349	8,933	3/26/2012	8,349	8,933	Slk wtr	12,182	Sand	664,620	80
3/26/2012	7,670	8,255	3/26/2012	7,670	8,255	Slk wtr	12,263	Sand	664,620	77

LATERAL WELLBORE

Maximum TVD of wellbore: 7434 ft TVD @ 13135 ft MD

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
SS/SHALE	0	0	860	860
SS/SLTSTN	860	860	964	964
SS/SHALE	964	964	1042	1042
LS/SHALE	1042	1042	1200	1200
SS/SLTSTN	1200	1200	1780	1780
SLTSTN/SHALE	1780	1780	2144	2144
SS/SLTSTN	2144	2144	2262	2262
SLTSTN/SHALE	2262	2262	4348	4348
SS/SLTSTN	4348	4348	4650	4650
SLTSTN	4650	4650	5258	5258
SLTSTN/SHALE	5258	5258	6884	6883
SHALE	6884	6883	7026	7013
GENESEO	7026	7013	7057	7040
TULLY	7057	7040	7136	7106
HAMILTON	7136	7106	7491	7313
MARCELLUS	7491	7313	13135	7434
TD	13135	7434		0

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Rev (9-11)

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 8-7-2012
API #: 47-049-02190

Farm name: Daniel Morris MRN 6H Operator Well No.: 834600

LOCATION: Elevation: 1,567' Quadrangle: Fairmont East

District: Winfield County: Marion
Latitude: 3,053' Feet South of 39 Deg. 30 Min. 00 Sec.
Longitude 8,978' Feet West of 80 Deg. 00 Min. 00 Sec.

Company: Chesapeake Appalachia, L.L.C.

Address: P.O. Box 18496	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Oklahoma City, OK 73154-0496	20"	119'	119'	230 Cu. Ft.
Agent: Eric Gillespie	13 3/8"	455'	455'	494 Cu. Ft.
Inspector: Sam Ward	9 5/8"	3149'	3149	1504 Cu. Ft.
Date Permit Issued: 11-17-2011	5 1/2"	13724'	13724'	2638 Cu. Ft.
Date Well Work Commenced: 1-21-2012				
Date Well Work Completed: 3-27-2012				
Verbal Plugging:				
Date Permission granted on:				
Rotary ☑ Cable ☐ Rig ☐				
Total Vertical Depth (ft): 7,370'				
Total Measured Depth (ft): 13,724'				
Fresh Water Depth (ft.): 350'				
Salt Water Depth (ft.): N/A				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 217'				
Void(s) encountered (N/Y) Depth(s) N				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)
Producing formation Marcellus Pay zone depth (ft) 7,655' - 13,591'
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 2,442* MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 40 Hours *Calculated
Static rock Pressure 4,789* psig (surface pressure) after _____ Hours

Second producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

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SEP 05 2012
WV Department of
Environmental Protection

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Marlene Williams
Signature

9-4-2012
Date

Were core samples taken? Yes_____ No X Were cuttings caught during drilling? Yes X No_____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Resistivity and Nuclear in the vertical, LWD GR in lateral

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

(See Attached)

Plug Back Details Including Plug Type and Depth(s):

Formations Encountered: Top Depth / Bottom Depth
Surface:

(See Attached)

PERFORATION RECORD ATTACHMENT

Well Number and Name: 834600 Daniel Morris MRN 6H

PERFORATION RECORD			STIMULATION RECORD							
	Interval Perforated					*Fluid*		*Propping Agent*		Average
Date	From	To	Date	Interval Treated		Type	Amount	Type	Amount	Injection
2/26/2012	13,032	13,591	3/21/2012	13,032	13,591	Slk wtr	13,736	Sand	564,880	78
3/21/2012	12,360	12,919	3/22/2012	12,360	12,919	Slk wtr	16,563	Sand	662,520	80
3/23/2012	11,688	12,247	3/23/2012	11,688	12,247	Slk wtr	12,469	Sand	661,240	80
3/23/2012	11,016	11,575	3/23/2012	11,016	11,575	Slk wtr	12,479	Sand	670,740	80
3/23/2012	10,343	10,903	3/24/2012	10,343	10,903	Slk wtr	12,487	Sand	666,600	80
3/25/2012	9,671	10,230	3/25/2012	9,671	10,230	Slk wtr	12,560	Sand	664,360	80
3/25/2012	8,991	9,558	3/25/2012	8,991	9,558	Slk wtr	12,156	Sand	662,060	80
3/25/2012	8,327	8,886	3/27/2012	8,327	8,886	Slk wtr	12,218	Sand	664,220	80
3/27/2012	7,655	8,214	3/27/2012	7,655	8,214	Slk wtr	12,060	Sand	668,600	80

LATERAL WELLBORE

Maximum TVD of wellbore: 7370 ft TVD @ 7690 ft MD

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
SS	0	0	764	764
SLTSTN	764	764	806	806
SLTSTN/SHALE	806	806	828	828
SHALE	828	828	888	888
SS/SHALE	888	888	914	914
SS/SLTSTN	914	914	952	952
SS/LS	952	952	980	980
LS	980	980	1012	1012
LS/SS	1012	1012	1036	1036
LS	1036	1036	1130	1130
SS	1130	1130	1460	1460
SLTSN/SS	1460	1460	1490	1490
SS	1490	1490	1528	1528
SLTSTN/SS	1528	1528	1725	1725
SS	1725	1725	1790	1790
SS/SLTSTN	1790	1790	1810	1810
SLTSTN	1810	1810	1850	1850
SLTSTN/SHALE	1850	1850	2010	2010
SLTSTN/SS	2010	2010	2416	2416
SHALE/SS	2416	2416	2930	2930
SLTSTN/SS	2930	2930	3242	3242
SLTSTN/SHALE	3242	3242	3900	3900
SLTSTN/SS	3900	3900	4146	4146
SLTSTN/SHALE	4146	4146	5418	5418
SHALE	5418	5418	7104	7011
GENESEO	7104	7011	7134	7040
TULLY	7134	7040	7203	7103
HAMILTON	7203	7103	7464	7303
MARCELLUS	7464	7303	13724	7367
TD	13724	7367		0
		0		0

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Rev (9-11)

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 10-2-2012
API #: 47-051-01501

Farm name: Ruth Keller MSH 3H Operator Well No.: 833794

LOCATION: Elevation: 1330' Quadrangle: 486-Moundsville

District: Union County: Marshall
Latitude: 8200' Feet South of 40 Deg. 00 Min. 00 Sec.
Longitude 5250' Feet West of 80 Deg. 40 Min. 00 Sec.

Company: Chesapeake Appalachia, L.L.C.

Address: P.O. Box 18496	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Oklahoma City, OK 73154-0496	20"	125'	125'	Driven
Agent: Eric Gillespie	13 3/8"	908'	908'	926 Cu. Ft.
Inspector: Bill Hendershot	9 5/8"	2260	2260'	948 Cu. Ft.
Date Permit Issued: 11-30-2011	5 1/2"	13528'	13528'	3256 Cu. Ft.
Date Well Work Commenced: 5-5-2012				
Date Well Work Completed: 7-3-2012				
Verbal Plugging:				
Date Permission granted on:				
Rotary ☑ Cable ☐ Rig ☐				
Total Vertical Depth (ft): 6422'(cement plug @ 5614'-6413')				
Total Measured Depth (ft): 13534'				
Fresh Water Depth (ft.): 175'				
Salt Water Depth (ft.): 1070'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 823				
Void(s) encountered (N/Y) Depth(s) Y 823'				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)
Producing formation Marcellus Pay zone depth (ft) 6,638'-13,403'
Gas: Initial open flow ____ MCF/d Oil: Initial open flow ____ Bbl/d
Final open flow 1,109* MCF/d Final open flow 215 Bbl/d
Time of open flow between initial and final tests 74 Hours *Calculated
Static rock Pressure 4,083* psig (surface pressure) after ____ Hours

Second producing formation ____ Pay zone depth (ft) ____
Gas: Initial open flow ____ MCF/d Oil: Initial open flow ____ Bbl/d
Final open flow ____ MCF/d Final open flow ____ Bbl/d
Time of open flow between initial and final tests ____ Hours
Static rock Pressure ____ psig (surface pressure) after ____ Hours

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Environmental Protection

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Marlene Williams
Signature

10-2-2012
Date

Were core samples taken? Yes_____ No X_____ Were cuttings caught during drilling? Yes_____ No X_____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list GR, neutron, density, and resistivity open hole logs run from 0'-6,422'MD; LWD GR run from 5,509' MD - 13,534' MD

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

(See attached)

Plug Back Details Including Plug Type and Depth(s): Cement plug @ 5614'-6413'

Formations Encountered: Top Depth / Bottom Depth
Surface:

(See attached)

PERFORATION RECORD ATTACHMENT

Well Number and Name: 833794 Ruth Keller MSH 3H

PERFORATION RECORD			STIMULATION RECORD							
	Interval Perforated					*Fluid*		*Propping Agent*		Average
Date	From	To	Date	Interval Treated		Type	Amount	Type	Amount	Injection
6/7/2012	12,860	13,403	6/28/2012	12,860	13,403	Slk wtr	12,335	Sand	622,170	86
6/28/2012	12,238	12,781	6/28/2012	12,238	12,781	Slk wtr	12,289	Sand	623,380	85
6/28/2012	11,615	12,159	6/29/2012	11,615	12,159	Slk wtr	12,463	Sand	622,760	85
6/29/2012	10,993	11,536	6/29/2012	10,993	11,536	Slk wtr	12,533	Sand	622,780	82
6/29/2012	10,371	10,914	6/30/2012	10,371	10,914	Slk wtr	12,159	Sand	567,340	86
6/30/2012	9,749	10,292	6/30/2012	9,749	10,292	Slk wtr	12,167	Sand	622,380	86
7/1/2012	9,127	9,670	7/1/2012	9,127	9,670	Slk wtr	12,584	Sand	622,520	87
7/1/2012	8,505	9,048	7/2/2012	8,505	9,048	Slk wtr	12,111	Sand	622,060	85
7/2/2012	7,882	8,426	7/2/2012	7,882	8,426	Slk wtr	12,388	Sand	622,740	86
7/2/2012	7,260	7,803	7/2/2012	7,260	7,803	Slk wtr	12,665	Sand	623,060	85
7/3/2012	6,638	7,181	7/3/2012	6,638	7,181	Slk wtr	12,613	Sand	633,000	87

VERTICAL PILOT HOLE

Formation/Lithology	Top Depth, TVD/MD (ft)	Bottom Depth, TVD/MD (ft)
LS	0	180
LS/SS	180	270
SS	270	823
COAL (VOID)	823	830
SS	830	960
SS/SH	960	1290
SS/LS	1290	1350
LS/SH	1350	1410
SS	1410	1900
BIG INJUN (SS)	1900	2108
SH	2108	6202
GENESEO	6202	6224
TULLY	6224	6270
HAMILTON	6270	6341
MARCELLUS	6341	6393
ONONDAGA (LS)	6393	
TD OF PILOT HOLE		6422

LATERAL SIDETRACK WELLBORE

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
LS	0	0	180	180
LS/SS	180	180	270	270
SS	270	270	823	823
COAL (VOID)	823	823	830	830
SS	830	830	960	960
SS/SH	960	960	1290	1290
SS/LS	1290	1290	1350	1350
LS/SH	1350	1350	1410	1410
SS	1410	1410	1900	1900
BIG INJUN (SS)	1900	1900	2108	2108
SH	2108	2108	6236	6208
GENESEO	6236	6208	6254	6222
TULLY	6254	6222	6316	6267
HAMILTON	6316	6267	6455	6337
MARCELLUS	6455	6337		
TD OF LATERAL			13534	6307

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Rev (9-11)

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 10-3-2012
API #: 47-051-01509

Farm name: Serafin Ortiz MSH 8H Operator Well No.: 833978

LOCATION: Elevation: 1280' Quadrangle: 486-Moundsville

District: Union County: Marshall
Latitude: 11390' Feet South of 40 Deg. 00 Min. 00 Sec.
Longitude 3370' Feet West of 80 Deg. 40 Min. 00 Sec.

Company: Chesapeake Appalachia, L.L.C.

Address: P.O. Box 18496	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Oklahoma City, OK 73154-0496	20"	120'	120'	460 Cu. Ft.
Agent: Eric Gillespie	13 3/8"	845'	845'	915 Cu. Ft.
Inspector: Bill Hendershot	9 5/8"	2191'	2191'	954 Cu. Ft.
Date Permit Issued: 11-17-2011	5 1/2"	11046'	11046'	2576 Cu. Ft.
Date Well Work Commenced: 6-1-2012				
Date Well Work Completed: 7-8-2012				
Verbal Plugging:				
Date Permission granted on:				
Rotary ☑ Cable ☐ Rig ☐				
Total Vertical Depth (ft): 6329'				
Total Measured Depth (ft): 11053'				
Fresh Water Depth (ft.): 400'				
Salt Water Depth (ft.): 1360'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 755'				
Void(s) encountered (N/Y) Depth(s) Y 762'				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)
Producing formation Marcellus Pay zone depth (ft) 6,700'-10,901'
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 696* MCF/d Final open flow 114 Bbl/d
Time of open flow between initial and final tests 37 Hours *Calculated
Static rock Pressure 4,113* psig (surface pressure) after _____ Hours

Second producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Marlon Williams
Signature

10-3-2012
Date

Were core samples taken? Yes_____ No X_____ Were cuttings caught during drilling? Yes_____ No X_____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list GR LWD from 5,665' - 11,053' MD

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

(See attached)

Plug Back Details Including Plug Type and Depth(s):

Formations Encountered: Top Depth / Bottom Depth

Surface:

(See attached)

PERFORATION RECORD ATTACHMENT

Well Number and Name: 833978 Serafin Ortiz MSH 8H

PERFORATION RECORD			STIMULATION RECORD							
	Interval Perforated					*Fluid*		*Propping Agent*		Average
Date	From	To	Date	Interval Treated		Type	Amount	Type	Amount	Injection
6/22/2012	10,432	10,901	7/3/2012	10,432	10,901	Slk wtr	10,931	Sand	536,680	78
7/5/2012	9,899	10,368	7/5/2012	9,899	10,368	Slk wtr	11,884	Sand	537,420	80
7/5/2012	9,366	9,835	7/6/2012	9,366	9,835	Slk wtr	10,698	Sand	536,720	78
7/6/2012	8,833	9,302	7/6/2012	8,833	9,302	Slk wtr	11,886	Sand	537,460	80
7/6/2012	8,299	8,769	7/7/2012	8,299	8,769	Slk wtr	10,527	Sand	536,520	78
7/7/2012	7,766	8,235	7/7/2012	7,766	8,235	Slk wtr	10,928	Sand	535,960	80
7/7/2012	7,233	7,702	7/8/2012	7,233	7,702	Slk wtr	10,677	Sand	535,660	78
7/8/2012	6,700	7,169	7/8/2012	6,700	7,169	Slk wtr	10,460	Sand	547,240	80

LATERAL SIDETRACK WELLBORE (no vertical pilot hole associated with this well)

Maximum TVD of wellbore: 6329 ft TVD @ 10829 ft MD

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
SS/LS/SILTSTONE	0	0	310	310
SS/LS	310	310	755	755
PITTSBURGH COAL	755	755	764	764
SS	764	764	1800	1800
BIG INJUN	1800	1800	2020	2020
SH	2020	2020	6147	6111
GENESEO (SH)	6147	6111	6176	6131
TULLY (LS)	6176	6131	6244	6177
HAMILTON (SH)	6244	6177	6390	6247
MARCELLUS (SH)	6390	6247		
TD OF LATERAL			11053	6328

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State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 9-7-2012
API #: 47-069-00063

Farm name: Esther Weeks 1H Operator Well No.: 832742

LOCATION: Elevation: 1260' Quadrangle: Valley Grove WV

District: Liberty County: Ohio
Latitude: 3040' Feet South of 40 Deg. 02 Min. 30 Sec.
Longitude 5920' Feet West of 80 Deg. 32 Min. 30 Sec.

Company: Chesapeake Appalachia, L.L.C.

Address: P.O. Box 18496	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Oklahoma City, OK 73154-0496	20"	100'	100'	303 Cu. Ft.
Agent: Eric Gillespie	13 3/8"	353'	353'	409 Cu. Ft.
Inspector: Bill Hendershot	9 5/8"	2160'	2160'	1010 Cu. Ft.
Date Permit Issued: 12/8/2010	5 1/2"	12372'	12372'	2879 Cu. Ft.
Date Well Work Commenced: 2/4/2011				
Date Well Work Completed: 2/3/2012				
Verbal Plugging:				
Date Permission granted on:				
Rotary ☑ Cable ☐ Rig ☐				
Total Vertical Depth (ft): 6744' (cement plug@ 5000' - 6731')				
Total Measured Depth (ft): 12377'				
Fresh Water Depth (ft.): 30'				
Salt Water Depth (ft.): 1000'				
Is coal being mined in area (N/Y)? Y				
Coal Depths (ft.): 690'				
Void(s) encountered (N/Y) Depth(s) N				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)
Producing formation Marcellus Pay zone depth (ft) 7,557'-12,214'
Gas: Initial open flow ____ MCF/d Oil: Initial open flow ____ Bbl/d
Final open flow 2,284* MCF/d Final open flow 161 Bbl/d
Time of open flow between initial and final tests 74 Hours *Calculated
Static rock Pressure 4,280* psig (surface pressure) after ____ Hours

Second producing formation ____ Pay zone depth (ft) ____
Gas: Initial open flow ____ MCF/d Oil: Initial open flow ____ Bbl/d
Final open flow ____ MCF/d Final open flow ____ Bbl/d
Time of open flow between initial and final tests ____ Hours
Static rock Pressure ____ psig (surface pressure) after ____ Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Marlene Williams
Signature

9-7-2012
Date

Were core samples taken? Yes_____ No N_____ Were cuttings caught during drilling? Yes Y_____ No_____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list GR, neutron, density, and resistivity
open hole logs run from 0-6730' MD; LWD GR from 4861-12341' MD.

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

(See Attached)

Plug Back Details Including Plug Type and Depth(s): Cement plug @ 5,000' - 6731'

Formations Encountered: Top Depth / Bottom Depth
Surface:

(See Attached)

PERFORATION RECORD ATTACHMENT

Well Name and Number: Esther Weeks 1H (832742)

PERFORATION RECORD			STIMULATION RECORD							
	Interval Perforated					*Fluid*		*Propping Agent*		Average
Date	From	To	Date	Interval Treated		Type	Amount	Type	Amount	Injection
1/29/2012	11,832	12,214	1/29/2012	11,832	12,214	Slk Wtr	11,522	Sand	578,417	86
1/30/2012	11,357	11,739	1/30/2012	11,357	11,739	Slk Wtr	12,610	Sand	572,721	85
1/31/2012	10,882	11,264	1/31/2012	10,882	11,264	Slk Wtr	11,161	Sand	572,901	85
1/31/2012	10,407	10,789	1/31/2012	10,407	10,789	Slk Wtr	9,496	Sand	397,089	85
2/1/2012	9,932	10,314	2/1/2012	9,932	10,314	Slk Wtr	10,975	Sand	571,331	87
2/1/2012	9,457	9,839	2/1/2012	9,457	9,839	Slk Wtr	12,076	Sand	572,278	84
2/2/2012	8,982	9,364	2/2/2012	8,982	9,364	Slk Wtr	10,899	Sand	573,186	84
2/2/2012	8,507	8,889	2/2/2012	8,507	8,889	Slk Wtr	10,871	Sand	571,124	86
2/3/2012	8,032	8,414	2/3/2012	8,032	8,414	Slk Wtr	10,937	Sand	556,984	85
2/3/2012	7,557	7,939	2/3/2012	7,557	7,939	Slk Wtr	10,533	Sand	530,663	86

VERTICAL PILOT HOLE

Formation/Lithology	Top Depth, TVD/MD (ft)	Bottom Depth, TVD/MD (ft)
SS	0	100
LS/SS	100	690
PITTSBURG COAL	690	700
LS/SHALE	700	810
SS/LS	810	950
SHALE	950	1300
SS	1300	1740
BIG LIME	1740	1850
BIG INJUN	1850	2100
SHALE	2100	6480
GENESEO	6480	6501
TULLY	6501	6525
HAMILTON	6525	6647
MARCELLUS	6647	6704
ONONDAGA (LS)	6704	
TD OF PILOT HOLE		6744

LATERAL SIDETRACK WELLBORE

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
SS	0	0	100	100
LS/SS	100	100	690	690
PITTSBURG COAL	690	690	700	700
LS/SHALE	700	700	810	810
SS/LS	810	810	950	950
SHALE	950	950	1300	1300
SS	1300	1300	1740	1740
BIG LIME	1740	1740	1850	1850
BIG INJUN	1850	1850	2100	2100
SHALE	2100	2100	6954	6463
GENESEO	6954	6463	7010	6492
TULLY	7010	6492	7036	6505
HAMILTON	7036	6505	7386	6633
MARCELLUS	7386	6633		
TD OF LATERAL			12377	6584

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State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 8-7-2012
API #: 47-069-00079

Farm name: Charles Frye 3H Operator Well No.: 833118

LOCATION: Elevation: 1260' Quadrangle: Valley Grove, WV

District: Triadelphia County: Ohio
Latitude: 9920' Feet South of 40 Deg. 05 Min. 00 Sec.
Longitude 11010' Feet West of 80 Deg. 32 Min. 30 Sec.

Company: Chesapeake Appalachia, L.L.C.

Address: P.O. Box 18496	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Oklahoma City, OK 73154-0496	20"	90'	90'	Driven
Agent: Eric Gillespie	13 3/8"	682'	682'	558 Cu. Ft.
Inspector: Bill Hendershot	9 5/8"	2202'	2202'	948 Cu. Ft.
Date Permit Issued: 4-8-2011	5 1/2"	12610'	12610'	3147 Cu. Ft.
Date Well Work Commenced: 6-18-2011				
Date Well Work Completed: 3-8-2012				
Verbal Plugging:				
Date Permission granted on:				
Rotary ☑ Cable ☐ Rig ☐				
Total Vertical Depth (ft): 6466'				
Total Measured Depth (ft): 12618'				
Fresh Water Depth (ft.): 30'				
Salt Water Depth (ft.): 1135'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 622'				
Void(s) encountered (N/Y) Depth(s) Y 622'				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)
Producing formation Marcellus Pay zone depth (ft) 6,700' - 12,481'
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 2,316* MCF/d Final open flow 178 Bbl/d
Time of open flow between initial and final tests 62 Hours *Calculated
Static rock Pressure 4,169* psig (surface pressure) after _____ Hours

Second producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Marlene Williams
Signature

9-10-2012
Date

Were core samples taken? Yes_____ No X Were cuttings caught during drilling? Yes X No_____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list MWD GR in lateral

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

(See Attached)

Plug Back Details Including Plug Type and Depth(s):

Formations Encountered: Top Depth / Bottom Depth
Surface:

(See Attached)

PERFORATION RECORD ATTACHMENT

Well Number and Name: 833118 Charles Frye3H

PERFORATION RECORD			STIMULATION RECORD							
	Interval Perforated					*Fluid*		*Propping Agent*		Average
Date	From	To	Date	Interval Treated		Type	Amount	Type	Amount	Injection
12/9/2011	12,123	12,481	2/19/2012	12,123	12,481	Slk wtr	10,860	Sand	572,080	70
2/19/2012	11,671	12,029	2/20/2012	11,671	12,029	Slk wtr	10,506	Sand	571,900	77
2/20/2012	11,219	11,577	2/21/2012	11,219	11,577	Slk wtr	10,732	Sand	570,740	84
2/21/2012	10,767	11,125	2/22/2012	10,767	11,125	Slk wtr	13,584	Sand	570,240	76
2/22/2012	10,315	10,673	2/23/2012	10,315	10,673	Slk wtr	11,114	Sand	572,480	79
2/23/2012	9,863	10,222	2/25/2012	9,863	10,222	Slk wtr	11,289	Sand	572,220	76
2/25/2012	9,409	9,770	2/27/2012	9,409	9,770	Slk wtr	10,536	Sand	571,020	80
2/27/2012	8,960	9,319	3/3/2012	8,960	9,319	Slk wtr	15,436	Sand	569,960	80
3/3/2012	8,508	8,869	3/4/2012	8,508	8,869	Slk wtr	10,350	Sand	377,260	83.3
3/4/2012	8,056	8,415	3/5/2012	8,056	8,415	Slk wtr	10,814	Sand	571,660	79
3/5/2012	7,604	7,963	3/6/2012	7,604	7,963	Slk wtr	10,507	Sand	570,420	79
3/6/2012	7,152	7,511	3/7/2012	7,152	7,511	Slk wtr	10,647	Sand	571,260	83
3/7/2012	6,700	7,060	3/8/2012	6,700	7,060	Slk wtr	10,832	Sand	573,500	85

LATERAL WELLBORE

Maximum TVD of wellbore: 6466 ft TVD @ 7905 ft MD

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
LS/SHALE	0	0	190	190
SHALE/LS	190	190	220	220
LS/SHALE	220	220	300	300
SHALE/LS	300	300	350	350
SHALE/COAL	350	350	380	380
LS/SHALE	380	380	530	530
SHALE/SS	530	530	560	560
LS/SS	560	560	620	620
ABANDONED MINE SHAFT	620	620	636	636
NO SAMPLES	636	636	683	683
SHALE	683	683	950	950
SHALE/SS	950	950	1050	1050
SHALE	1050	1050	1100	1100
SHALE/SS	1100	1100	1200	1200
SS/SHALE	1200	1200	1250	1250
SS	1250	1250	1300	1300
SHALE/SS	1300	1300	1350	1350
SS/SHALE	1350	1350	1400	1400
SHALE/SS	1400	1400	1430	1430
SS/SHALE	1430	1430	1600	1600
SHALE/SS	1600	1600	1620	1620
SS/SHALE	1620	1620	1650	1650
SS/LS	1650	1650	1750	1750
SS/SHALE	1750	1750	1810	1810
BIG INJUN	1810	1810	2020	2020
SHALE	2020	2020	2350	2350
SHALE/SS	2350	2350	2400	2400
SHALE	2400	2400	3250	3250
SHALE/SS	3250	3250	3300	3300
SHALE	3300	3300	4270	4270
SHALE/SS	4270	4270	4300	4300
SHALE	4300	4300	5990	5989
SHALE/LS	5990	5989	6080	6076
SHALE	6080	6076	6240	6222
SHALE/LS	6240	6222	6354	6316
TULLY	6354	6316	6390	6343
HAMILTON	6390	6343	6641	6454
MARCELLUS	6641	6454	12618	6413

TD	12618	6413	0

WR-35
Rev (9-11)

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 9-6-2012
API #: 47-069-00091

Farm name: Charles Frye OHI 10H Operator Well No.: 833122

LOCATION: Elevation: 1260 Quadrangle: Valley Grove, WV.

District: Triadelphia County: Ohio
Latitude: 10350' Feet South of 40 Deg. 05 Min. 00 Sec.
Longitude 10950' Feet West of 80 Deg. 32 Min. 30 Sec.

Company: Chesapeake Appalachia, L.L.C.

Address: P.O. Box 18496	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Oklahoma City, OK 73154-0496	20"	100'	100'	157 Cu. Ft.
Agent: Eric Gillespie	13 3/8"	678'	678'	784 Cu. Ft.
Inspector: Derek Haught	9 5/8"	2218'	2218'	1083 Cu. Ft.
Date Permit Issued: 7-11-2011	5 1/2"	12745'	12745'	3046 Cu. Ft.
Date Well Work Commenced: 7-20-2011				
Date Well Work Completed: 3-7-2012				
Verbal Plugging:				
Date Permission granted on:				
Rotary ☑ Cable ☐ Rig ☐				
Total Vertical Depth (ft): 6599'				
Total Measured Depth (ft): 12747'				
Fresh Water Depth (ft.): 78', 300'				
Salt Water Depth (ft.): 1135'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 632'				
Void(s) encountered (N/Y) Depth(s) Y 632'				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)
Producing formation Marcellus Pay zone depth (ft) 6,800' - 12,602'
Gas: Initial open flow ____ MCF/d Oil: Initial open flow ____ Bbl/d
Final open flow 2,790* MCF/d Final open flow 178 Bbl/d
Time of open flow between initial and final tests 47 Hours *Calculated
Static rock Pressure 4,283* psig (surface pressure) after ____ Hours

Second producing formation ____ Pay zone depth (ft) ____
Gas: Initial open flow ____ MCF/d Oil: Initial open flow ____ Bbl/d
Final open flow ____ MCF/d Final open flow ____ Bbl/d
Time of open flow between initial and final tests ____ Hours
Static rock Pressure ____ psig (surface pressure) after ____ Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Marlene Williams
Signature

9-10-2012
Date

Were core samples taken? Yes_____ No X_____ Were cuttings caught during drilling? Yes X_____ No_____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Yes,
Resitivity and porosity from wireline tools to the base of the Big Injun, MWD GR in the lateral.

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

(See Attached)

Plug Back Details Including Plug Type and Depth(s):

Formations Encountered: Top Depth / Bottom Depth
Surface:

(See Attached)

PERFORATION RECORD ATTACHMENT

Well Number and Name: 833122 Charles Frye OHI 10H

PERFORATION RECORD			STIMULATION RECORD							
	Interval Perforated					*Fluid*		*Propping Agent*		Average
Date	From	To	Date	Interval Treated		Type	Amount	Type	Amount	Injection
12/10/2011	12,242	12,602	2/24/2012	12,242	12,602	Slk wtr	10,444	Sand	570,220	84
2/24/2012	11,788	12,149	2/25/2012	11,788	12,149	Slk wtr	10,838	Sand	568,440	81
2/25/2012	11,337	11,695	2/26/2012	11,337	11,695	Slk wtr	10,279	Sand	572,620	84
2/26/2012	10,881	11,242	2/27/2012	10,881	11,242	Slk wtr	11,518	Sand	441,680	80
2/27/2012	10,428	10,788	2/28/2012	10,428	10,788	Slk wtr	12,372	Sand	571,780	78
2/28/2012	9,974	10,335	2/29/2012	9,974	10,335	Slk wtr	11,093	Sand	571,300	82
2/29/2012	9,521	9,881	3/1/2012	9,521	9,881	Slk wtr	11,500	Sand	548,840	85
3/1/2012	9,067	9,431	3/2/2012	9,067	9,431	Slk wtr	11,649	Sand	571,880	84
3/2/2012	8,614	8,974	3/3/2012	8,614	8,974	Slk wtr	10,670	Sand	569,440	82
3/3/2012	8,160	8,521	3/4/2012	8,160	8,521	Slk wtr	12,878	Sand	573,880	64
3/4/2012	7,708	8,067	3/5/2012	7,708	8,067	Slk wtr	10,470	Sand	571,580	81
3/5/2012	7,253	7,616	3/6/2012	7,253	7,616	Slk wtr	10,583	Sand	570,820	82
3/6/2012	6,800	7,160	3/6/2012	6,800	7,160	Slk wtr	11,188	Sand	571,400	83

LATERAL WELLBORE

Maximum TVD of wellbore: 6599 ft TVD @ 12300 ft MD

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
LS/SHALE	0	0	622	622
PITTSBURGH COAL	622	622	630	630
LS/SHALE	630	630	650	650
SS/LS	650	650	690	690
SHALE/LS	690	690	790	790
SHALE	790	790	880	880
SS/SHALE	880	880	940	940
SHALE/SS	940	940	1240	1240
SS/SHALE	1240	1240	1270	1270
SHALE/SS	1270	1270	1480	1480
SS/SHALE	1480	1480	1600	1600
LS/SHALE	1600	1600	1650	1650
BIG LIME	1650	1650	1700	1700
LS/SHALE	1700	1700	1800	1800
BIG INJUN	1800	1800	2040	2040
SHALE	2040	2040	3500	3500
SHALE/SS	3500	3500	3730	3730
SHALE	3730	3730	6414	6300
GENESEO	6414	6300	6445	6323
TULLY	6445	6323	6495	6357
HAMILTON	6495	6357	6735	6472
MARCELLUS	6735	6472	12747	6590
TD	12747	6590		0
		0		0

WR-35
Rev (9-11)

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 2012-09-26 - Amended
API #: 4709101210

Farm name: Robert P. & Shirley J. Turoczy Operator Well No.: 511491

LOCATION: Elevation: 1420 Quadrangle: Rosemont

District: Unknown County: Taylor, WV
Latitude: ____ Feet South of 39 Deg. 31 Min. 61 Sec.
Longitude ____ Feet West of -80 Deg. 16 Min. 28 Sec.

Company: EQT Production Company

Address: EQT Plaza, Suite 1700	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
625 Liberty Avenue, Pittsburgh, PA 15222	20	40	40	10.62
Agent: Cecil Ray	13 3/8	930.64	930.64	833.00
Inspector: Brian Harris	9 5/8	2525.6	2,525.6	959.09
Date Permit Issued: 2009-12-08	5 1/2	12,549.0	12,549	1,516.55
Date Well Work Commenced: 2011-02-27				
Date Well Work Completed: 2011-09-10				
Verbal Plugging: N/A				
Date Permission granted on: N/A				
Rotary ☑ Cable ☐ Rig ☑				
Total Vertical Depth (ft): 7451.34				
Total Measured Depth (ft): 12,567.00				
Fresh Water Depth (ft.): 74, 112, 139, 234, 801				
Salt Water Depth (ft.): 883				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 403, 630				
Void(s) encountered (N/Y) Depth(s) N/A				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)
Producing formation Marcellus Pay zone depth (ft) ____
Gas: Initial open flow ____ MCF/d Oil: Initial open flow ____ Bbl/d
Final open flow 7,122 MCF/d Final open flow ____ Bbl/d
Time of open flow between initial and final tests ____ Hours
Static rock Pressure 1,064 psig (surface pressure) after ____ Hours

Second producing formation ____ Pay zone depth (ft) ____
Gas: Initial open flow ____ MCF/d Oil: Initial open flow ____ Bbl/d
Final open flow ____ MCF/d Final open flow ____ Bbl/d
Time of open flow between initial and final tests ____ Hours
Static rock Pressure ____ psig (surface pressure) after ____ Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Signature

2012-09-26
Date

Were core samples taken? Yes X No_____ Were cuttings caught during drilling? Yes X No_____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Geophysical

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

See Attachment

Plug Back Details Including Plug Type and Depth(s):

Formations Encountered: Top Depth / Bottom Depth
Surface:

Red Rock 330.00/350.00 Sand 350/ 403.00 Coal 403/ 406.00 Silty Sand 406/ 630.00 Coal 630/ 670.00
Silty Sand 670/ 893.00 Siltstone 893/ 1346.00 Limestone 1346/ 1435.00 Sandstone 1470/ 1617.00 Sandstone 1617/ 1707.00
Sandstone 1707/ 1871.00 Sandstone 1871/ 1946.00 Sandstone 1946/ 2112.00 Sandstone 2112/ 2220.00
Sandstone 2220/ 2409.00 Sandstone 2409/ 2459.00 Sandstone 2459/ 2845.20 B-5 2845.2/ 3,076.60
Speechley 3076.6/ 3,410.40 Bradford 3410.4/ 3,581.40 Balltown B 3581.4/ 3,790.30 Riley 3790.3/ 4,427.20
Benson 4427.2/ 6,644.10 Sonyea 6644.1/ 6,951.10 Middlesex 6951.1/ 7,065.60 Genesee 7065.6/ 7,169.60
Geneseo 7169.6/ 7,214.00 Tully 7214/ 7,274.00 Hamilton 7274/ 7,405.30 Marcellus 7405.3/ 7,467.00
Marcellus 7405.3/ 7,467.00

EQT WR-35	Completion	Attachment	Well	Treatment	Summary

Stage	Formation	Frac Type			
1	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
7/5/2011	12405 - 12527		7,278.00	8,656.00	5 Min: 4894
					10 Min: 4727
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 4642
83.00	9,109.00	5,675.00	1.31		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
207,971.00	6,149.00		2,000.00		

Stage	Formation	Frac Type			
2	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
7/6/2011	12255 - 12377		6,782.00	8,447.00	5 Min: 5095
					10 Min: 4927
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 4848
100.00	9,083.00	5,796.00	1.2		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
203,869.00	6,259.00		2,000.00		

Stage	Formation	Frac Type			
3	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
7/7/2011	12105 - 12227		7,307.00	7,796.00	5 Min: 5456
					10 Min: 5231
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 5076
98.00	9,102.00	6,079.00	1.24		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
205,855.00	5,824.00		2,000.00		

EQT WR-35	Completion	Attachment	Well	Treatment	Summary

Stage	Formation	Frac Type			
4	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
7/7/2011	11955 - 12077		7,305.00	8,103.00	5 Min: 5649
					10 Min: 5382
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 5180
100.00	8,586.00	6,112.00	1.21		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
207,350.00	5,745.00		2,000.00		

Stage	Formation	Frac Type			
5	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
7/8/2011	11805 - 11927		7,139.00	8,545.00	5 Min: 5461
					10 Min: 5305
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 5137
79.00	9,082.00	5,848.00	1.21		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
204,349.00	6,287.00		2,000.00		

Stage	Formation	Frac Type			
6	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
7/9/2011	#Error		7,237.00	8,047.00	5 Min: 5249
					10 Min: 5050
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 4952
95.00	8,834.00	6,080.00	1.24		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
213,866.00	6,495.00		2,000.00		

EQT WR-35	Completion	Attachment	Well	Treatment	Summary

Stage	Formation	Frac Type			
7	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
7/9/2011	11505 - 11627		6,544.00	8,629.00	5 Min: 5964
					10 Min: 5845
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 5723
84.00	9,187.00	6,238.00	1.26		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
201,719.00	6,787.00				

Stage	Formation	Frac Type			
8	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
7/9/2011	11355 - 11477		6,997.00	8,474.00	5 Min: 5960
					10 Min: 5836
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 5714
88.00	8,794.00	6,292.00	1.27		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
99,429.30	5,340.00		2,000.00		

Stage	Formation	Frac Type			
9	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
7/10/2011	11205 - 11327		6,778.00	8,277.00	5 Min: 5925
					10 Min: 5772
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 5673
101.00	8,877.00	6,228.00	1.26		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
201,655.00	5,390.00		2,000.00		

EQT WR-35	Completion	Attachment	Well	Treatment	Summary

Stage	Formation	Frac Type			
10	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
7/10/2011	11055 - 11177		7,425.00	8,194.00	5 Min: 5841
					10 Min: 5624
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 5472
102.00	8,651.00	6,141.00	1.25		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
202,322.00	5,314.00		2,000.00		

Stage	Formation	Frac Type			
11	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
7/10/2011	10905 - 11027		6,692.00	8,462.00	5 Min: 5540
					10 Min: 5317
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 5198
98.00	8,832.00	5,861.00	1.21		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
210,226.00	6,476.00		2,000.00		

Stage	Formation	Frac Type			
12	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
7/12/2011	10755 - 10877		7,582.00	7,934.00	5 Min: 5644
					10 Min: 5473
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 5325
102.00	8,498.00	6,084.00	1.21		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
202,227.00	5,506.00		2,000.00		

EQT WR-35	Completion	Attachment	Well	Treatment	Summary
Stage	**Formation**	**Frac Type**			
13	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
7/12/2011	10605 - 10727		6,948.00	7,760.00	5 Min: 5721
					10 Min: 5556
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 5454
98.00	8,234.00	6,123.00	1.25		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
203,526.00	5,620.00		2,000.00		
Stage	**Formation**	**Frac Type**			
14	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
7/12/2011	10455 - 10577		6,879.00	8,540.00	5 Min: 5140
					10 Min: 4940
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 4833
85.00	9,139.00	5,789.00	1.2		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
177,269.00	5,467.00		2,000.00		
Stage	**Formation**	**Frac Type**			
15	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
7/13/2011	10305 - 10427		6,277.00	7,782.00	5 Min: 5538
					10 Min: 5338
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 5175
100.00	8,467.00	5,871.00	1.22		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
205,385.00	5,478.00		2,000.00		

EQT WR-35	Completion	Attachment	Well	Treatment	Summary
Stage	**Formation**	**Frac Type**			
16	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
7/13/2011	10155 - 10277		7,006.00	7,006.00	5 Min: 5508
					10 Min: 5312
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 5101
98.00	8,788.00	5,955.00	1.23		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
200,540.00	5,423.00		2,000.00		
Stage	**Formation**	**Frac Type**			
17	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
7/13/2011	10005 - 10127		6,880.00	8,003.00	5 Min: 5380
					10 Min: 5160
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 4980
102.00	8,635.00	5,875.00	1.22		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
201,856.00	5,201.00		2,000.00		
Stage	**Formation**	**Frac Type**			
18	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
7/14/2011	9855 - 9977		7,102.00	8,237.00	5 Min: 5215
					10 Min: 4936
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 4801
98.00	8,910.00	5,894.00	1.22		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
205,702.00	5,392.00		2,000.00		

EQT WR-35	Completion	Attachment	Well	Treatment	Summary
Stage	**Formation**	**Frac Type**			
19	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
7/14/2011	9705 - 9827		7,073.00	8,107.00	5 Min: 5770
					10 Min: 5602
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 5456
99.00	8,725.00	6,155.00	1.25		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
205,501.00	5,501.00		2,000.00		
Stage	**Formation**	**Frac Type**			
20	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
7/15/2011	9555 - 9677		8,353.00	8,000.00	5 Min: 5841
					10 Min: 5704
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 5549
100.00	8,180.00	6,231.00	1.26		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
204,800.00	5,587.00		2,000.00		
Stage	**Formation**	**Frac Type**			
21	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
7/15/2011	9405 - 9527		7,269.00	7,912.00	5 Min: 5890
					10 Min: 5690
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 5483
100.00	8,366.00	6,328.00	1.28		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
203,069.00	5,533.00		2,000.00		

EQT WR-35	Completion	Attachment	Well	Treatment	Summary
Stage	**Formation**	**Frac Type**			
22	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
7/15/2011	9255 - 9377		7,600.00	7,319.00	5 Min: 5977
					10 Min: 5815
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 5685
99.00	8,414.00	6,276.00	1.27		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
299,935.00	5,375.00		2,000.00		
Stage	**Formation**	**Frac Type**			
23	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
7/16/2011	9105 - 9227		8,169.00	8,174.00	5 Min: 5528
					10 Min: 5403
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 5223
96.00	8,557.00	5,953.00	1.23		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
201,740.00	6,245.00		2,000.00		
Stage	**Formation**	**Frac Type**			
24	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
7/16/2011	8955 - 9077		8,304.00	7,970.00	5 Min: 5327
					10 Min: 5205
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 5045
102.00	8,520.00	6,383.00	1.28		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
201,620.00	5,402.00		2,000.00		

EQT WR-35	Completion	Attachment	Well	Treatment	Summary

Stage	Formation	Frac Type			
25	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
7/16/2011	8955 - 9077		7,929.00	7,638.00	5 Min: 6062
					10 Min: 6015
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 5902
99.00	9,258.00	6,535.00	1.29		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
201,860.00	5,325.00		2,000.00		

Stage	Formation	Frac Type			
26	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
7/17/2011	8655 - 8777		7,145.00	8,100.00	5 Min: 5464
					10 Min: 5308
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 5146
99.00	8,590.00	6,642.00	1.32		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
201,267.00	5,241.00		2,000.00		

Stage	Formation	Frac Type			
27	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
7/17/2011	8505 - 8626		7,947.00	7,863.00	5 Min: 5801
					10 Min: 5580
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 5351
100.00	8,441.00	6,232.00	1.25		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
201,055.00	5,093.00		2,000.00		

EQT WR-35	Completion	Attachment	Well	Treatment	Summary
Stage	**Formation**	**Frac Type**			
28	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
7/17/2011	8355 - 8477		8,734.00	7,855.00	5 Min: 5754
					10 Min: 5510
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 5245
100.00	8,557.00	6,044.00	1.23		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
202,834.00	6,656.00		2,000.00		
Stage	**Formation**	**Frac Type**			
29	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
7/18/2011	8205 - 8327		8,318.00	6,846.00	5 Min: 5485
					10 Min: 5225
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 5056
87.00	7,543.00	5,993.00	1.23		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
200,860.00	5,583.00		2,000.00		
Stage	**Formation**	**Frac Type**			
30	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
7/18/2011	8055 - 8177		7,885.00	7,516.00	5 Min: 5444
					10 Min: 5040
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 4827
92.00	8,457.00	6,357.00	1.27		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
199,819.00	5,362.00		2,000.00		

EQT WR-35	Completion	Attachment	Well	Treatment	Summary
Stage	**Formation**	**Frac Type**			
31	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
7/19/2011	7905 - 8027		6,495.00	7,585.00	5 Min: 5019
					10 Min: 4723
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 4658
98.00	8,798.00	6,097.00	1.24		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
201,988.00	5,241.00		2,000.00		
Stage	**Formation**	**Frac Type**			
32	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
7/19/2011	7755 - 7877		8,340.00	8,216.00	5 Min: 4553
					10 Min: 4479
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 4433
90.00	8,763.00	4,926.00	1.09		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
200,473.00	5,503.00		2,000.00		

WR-35
Rev (9-11)

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 2012-09-26 - Amended
API #: 4709101211

Farm name: Robert P. & Shirley J. Turoczy Operator Well No.: 511510

LOCATION: Elevation: 1420 Quadrangle: Rosemont

District: Unknown County: Taylor, WV
Latitude: _____ Feet South of 39 Deg. 31 Min. 62 Sec.
Longitude _____ Feet West of -80 Deg. 16 Min. 28 Sec.

Company: EQT Production Company

Address: EQT Plaza, Suite 1700	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
625 Liberty Avenue, Pittsburgh, PA 15222	20	40	40	134.52
Agent: Cecil Ray	13 3/8	944	944	918.68
Inspector: Brian Harris	9 5/8	2,490.13	2,490.13	999.6
Date Permit Issued: 2011-01-03	5 1/2	12,075.62	12,075.62	1,405.9
Date Well Work Commenced: 2011-03-19				
Date Well Work Completed: 2011-09-07				
Verbal Plugging: Not Applicable				
Date Permission granted on: Not Applicable				
Rotary ☑ Cable ☐ Rig ☑				
Total Vertical Depth (ft): 7,375.95				
Total Measured Depth (ft): 12,098				
Fresh Water Depth (ft.): 74, 112, 139, 234, 801				
Salt Water Depth (ft.): 883				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 466, 677, 790				
Void(s) encountered (N/Y) Depth(s) N				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)
Producing formation Marcellus Pay zone depth (ft)_____
Gas: Initial open flow_____MCF/d Oil: Initial open flow_____Bbl/d
Final open flow 4,128 MCF/d Final open flow _____Bbl/d
Time of open flow between initial and final tests_____Hours
Static rock Pressure 780 psig (surface pressure) after _____Hours

Second producing formation_____ Pay zone depth (ft)_____
Gas: Initial open flow_____MCF/d Oil: Initial open flow_____Bbl/d
Final open flow_____MCF/d Final open flow _____Bbl/d
Time of open flow between initial and final tests_____Hours
Static rock Pressure_____psig (surface pressure) after _____Hours

RECEIVED
OCT 29 2012

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Signature

2012-09-26
Date

Were core samples taken? Yes X No_____ Were cuttings caught during drilling? Yes X No_____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Geophysical

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

See Attachment

Plug Back Details Including Plug Type and Depth(s): 2418/2468 (Class A) Cubic Feet: 113.05,

2390/2240 (Class A) Cubic Feet: 113.05, 6,252/6,752 9 (Class H) Cubic Feet: 169.29

Formations Encountered: Top Depth / Bottom Depth

Surface:

Fill 330 / 466.00 Coal 466 / 468.00 Siltstone 468 / 677.00 Coal 677 / 679.00 Siltstone 679 / 790.00

Coal 790 / 792.00 Sand 792 / 950.00 Sand 950 / 1334.00 Big Lime 1334 / 1457.90 Big Injun 1457.9 / 1604.90

Weir Sand 1604.9 / 1872.80 50 Foot 1872.8 / 1945.70 30 Foot 1945.7 / 2111.70 Gordon 2111.7 / 2219.60

Fourth Sand 2219.6 / 2408.50 Fifth Sand 2408.5 / 2487.40 Speechley 2487.4 / 2948.10 Bradford 2948.1 / 3390.60

Benson 3390.6 / 4406.90 Elks 4406.9 / 4477.80 Sonyea 4477.8 / 6703.60 Middlesex 6703.6 / 7007.80

Genesee 7007.8 / 7123.20 Geneseo 7123.2 / 7244.20 Tully 7244.2 / 7287.30 Hamilton 7287.3 / 7344.90

Marcellus 7344.9 / 7375.0

EQT WR-35	Completion	Attachment	Well	Treatment	Summary

Stage	Formation	Frac Type			
1	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
6/18/2011	11793 - 12027		6,935.00	8,100.00	5 Min: 4824
					10 Min: 4678
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 4595
90.00	8,390.00	5,776.00	1.2		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
402,739.00	10,289.00		2,000.00		

Stage	Formation	Frac Type			
2	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
6/19/2011	11493 - 11735		7,997.00	8,000.00	5 Min: 5831
					10 Min: 5681
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 5385
100.00	8,300.00	6,026.00	1.23		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
403,133.00	11,122.00		2,000.00		

Stage	Formation	Frac Type			
3	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
6/20/2011	11193 - 11435		7,584.00	8,153.00	5 Min: 5896
					10 Min: 5788
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 5607
101.00	8,486.00	6,063.00	1.24		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
394,525.00	8,524.00		2,000.00		

EQT WR-35	Completion	Attachment	Well	Treatment	Summary
Stage	**Formation**	**Frac Type**			
4	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
6/20/2011	10893 - 11135		7,828.00	8,319.00	5 Min: 5213
					10 Min: 5109
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 4993
92.00	8,980.00	5,582.00	1.18		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
373,580.00	16,298.00		2,000.00		
Stage	**Formation**	**Frac Type**			
5	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
6/23/2011	10593 - 10835		6,493.00	7,243.00	5 Min: 5126
					10 Min: 4895
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 4802
98.00	8,101.00	5,777.00	1.2		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
405,100.00	11,345.00		2,000.00		
Stage	**Formation**	**Frac Type**			
6	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
6/23/2011	10293 - 10535		7,522.00	8,275.00	5 Min: 6093
					10 Min: 5979
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 5849
97.00	8,509.00	6,283.00	1.27		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
395,455.00	10,923.00		2,000.00		

EQT WR-35	Completion	Attachment	Well	Treatment	Summary
Stage	**Formation**	**Frac Type**			
7	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
6/23/2011	9993 - 10235		7,730.00	8,230.00	5 Min: 5516
					10 Min: 5334
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 5127
97.00	8,650.00	5,644.00	1.22		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
404,437.00	12,525.00		2,000.00		
Stage	**Formation**	**Frac Type**			
8	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
6/24/2011	9693 - 9935		7,033.00	8,130.00	5 Min: 5705
					10 Min: 5464
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 5334
98.00	8,560.00	5,883.00	1.22		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
404,208.00	12,198.00		2,000.00		
Stage	**Formation**	**Frac Type**			
9	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
6/24/2011	9393 - 9635		6,650.00	7,541.00	5 Min: 5792
					10 Min: 5653
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 5553
91.00	8,002.00	6,170.00	1.25		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
407,500.00	11,484.00		2,000.00		

EQT WR-35	Completion	Attachment	Well	Treatment	Summary
Stage	**Formation**	**Frac Type**			
10	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
6/29/2011	9066 - 9148		7,405.00	7,995.00	5 Min: 5867
					10 Min: 5734
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 5633
96.00	9,145.00	6,212.00	1.39		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
404,879.00	10,294.00		2,000.00		
Stage	**Formation**	**Frac Type**			
11	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
6/30/2011	8766 - 9008		7,461.00	7,914.00	5 Min: 5634
					10 Min: 5449
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 5359
97.00	8,840.00	6,043.00	1.24		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
408,239.00	10,031.00		2,000.00		
Stage	**Formation**	**Frac Type**			
12	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
7/1/2011	8466 - 8708		6,992.00	6,992.00	5 Min: 5551
					10 Min: 5482
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 5323
94.00	9,017.00	6,036.00	1.24		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
404,392.00	10,300.00		2,000.00		

EQT WR-35	Completion	Attachment	Well	Treatment	Summary

Stage	Formation	Frac Type			
13	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
7/1/2011	8166 - 8408		7,165.00	7,920.00	5 Min: 5176
					10 Min: 4915
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 4804
97.00	8,535.00	6,056.00	1.24		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
404,834.00	10,867.00		2,000.00		

Stage	Formation	Frac Type			
14	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
7/1/2011	7866 - 8108		7,454.00	8,150.00	5 Min: 4977
					10 Min: 4847
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 4760
103.00	8,722.00	5,560.00	1.29		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
402,738.00	10,362.00		2,000.00		

Stage	Formation	Frac Type			
15	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
7/2/2011	7716 - 7838		7,673.00	8,312.00	5 Min: 4727
					10 Min: 4601
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 4503
81.00	9,436.00	5,284.00	1.25		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
212,394.00	6,000.00		2,000.00		

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State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 9/24/2012 - Amended
API #: 4709101224

Farm name: James M. Taylor et al Operator Well No.: 511506

LOCATION: Elevation: 1420 Quadrangle: Rosemont

District: Unknown County: Taylor, WV
Latitude: 39.304250 Feet South of ____ Deg. ____ Min. ____ Sec.
Longitude -80.199381 Feet West of ____ Deg. ____ Min. ____ Sec.

Company: EQT Production Company

Address: EQT Plaza, Suite 1700	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
625 Liberty Avenue, Pittsburgh, PA 15222	20	40	40	161.5
Agent: Cecil Ray	13 3/8	942.9	942.9	900
Inspector: Brian Harris	9 5/8	2,715.1	2,715.1	1,047.2
Date Permit Issued: 2011-04-01	5 1/2	11,435.6	11,435.6	1,256
Date Well Work Commenced: 2011-06-07				
Date Well Work Completed: 2011-11-12				
Verbal Plugging: N/A				
Date Permission granted on: N/A				
Rotary ☑ Cable ☐ Rig ☑				
Total Vertical Depth (ft): 7,464.80				
Total Measured Depth (ft): 11,457				
Fresh Water Depth (ft.): 284, 829				
Salt Water Depth (ft.): None Reported				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 600, 795, 890				
Void(s) encountered (N/Y) Depth(s) N				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)
Producing formation Marcellus Pay zone depth (ft) ____
Gas: Initial open flow ____ MCF/d Oil: Initial open flow ____ Bbl/d
Final open flow 5,398 MCF/d Final open flow ____ Bbl/d
Time of open flow between initial and final tests ____ Hours
Static rock Pressure 1,086 psig (surface pressure) after ____ Hours

Second producing formation ____ Pay zone depth (ft) ____
Gas: Initial open flow ____ MCF/d Oil: Initial open flow ____ Bbl/d
Final open flow ____ MCF/d Final open flow ____ Bbl/d
Time of open flow between initial and final tests ____ Hours
Static rock Pressure ____ psig (surface pressure) after ____ Hours

RECEIVED
SEP 2012
Environmental Protection

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Signature

9/24/2012
Date

Were core samples taken? Yes X No_____ Were cuttings caught during drilling? Yes X No_____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Geophysical

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

See Attachment

Plug Back Details Including Plug Type and Depth(s):

Formations Encountered: Top Depth / Bottom Depth
Surface:

0/40/40 - Clay 40/315/275 - Sandstone 315/320/5 - Red Rock 320/575/255 - Siltstone 575/595/20 - Red Rock 595/600/5 - Siltstone 600/610/10-Coal 610/795/185-Siltstone 795/800/5-Coal 800/890/10-Siltstone 890/895/5-Coal 895/983/88-Sandstone Siltstone 983/1334/351 - Limestone 1334/1423/89 - Sandstone 1423/2459/1036 Sand 2459/ 3149.6/ 690 - Speechly 3149/3432/283 - Bradford 3432/3600/168 Balltown B 3600/3847/247 - Riley 3847/4459/612 - Benson 4459/6814/2355 Sonyea 6814/7175/361 - Middlesex 7175/7237/62 - Genesee 7237/7321/84 Geneseo 7321/7358/37 - Tully 7358/7395/37 - Hamilton 7395/7465/70 Marcellus 7465/7491/26 - Purcell 7491/7502/11 - Cherry Valley 7502--

EQT WR-35	Completion	Attachment	Well	Treatment	Summary

Stage	Formation	Frac Type			
1	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
9/16/2011	11172 - 11414		6,924.00	8,000.00	5 Min: 4259
					10 Min:
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min:
95.30	9,241.00	4,549.00	1.04		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
242,620.00	8,005.00		2,000.00		

Stage	Formation	Frac Type			
2	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
9/17/2011	10872 - 11114		5,902.00	7,968.00	5 Min: 4654
					10 Min: 4421
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 4284
92.40	8,945.00	5,254.00	1.14		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
404,280.00	10,151.00		2,000.00		

Stage	Formation	Frac Type			
3	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
9/17/2011	10572 - 10814		7,015.00	7,579.00	5 Min: 5075
					10 Min: 4888
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 4728
96.20	8,645.00	5,260.00	1.14		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
406,109.00	10,334.00		2,000.00		

EQT WR-35	Completion	Attachment	Well	Treatment	Summary
Stage	**Formation**	**Frac Type**			
4	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
9/17/2011	10272 - 10514		7,133.00	7,564.00	5 Min: 5483
					10 Min: 5329
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 5224
94.10	8,971.00	5,825.00	1.21		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
339,778.00	10,187.00		2,000.00		
Stage	**Formation**	**Frac Type**			
5	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
9/17/2011	9972 - 10214		6,409.00	7,726.00	5 Min: 5299
					10 Min: 5072
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 4941
97.90	8,429.00	5,806.00	1.21		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
402,250.00	9,969.00		2,000.00		
Stage	**Formation**	**Frac Type**			
6	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
9/18/2011	9672 - 9914		7,725.00	7,892.00	5 Min: 5670
					10 Min: 5525
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 5414
97.40	8,620.00	5,894.00	1.22		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
402,160.00	9,893.00		2,000.00		

EQT WR-35	Completion	Attachment	Well	Treatment	Summary
Stage	**Formation**	**Frac Type**			
7	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
9/18/2011	9372 - 9614		7,301.00	7,987.00	5 Min: 5724
					10 Min: 5581
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 5461
94.00	8,575.00	5,954.00	1.23		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
400,400.00	9,700.00		2,000.00		
Stage	**Formation**	**Frac Type**			
8	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
9/18/2011	9072 - 9314		8,887.00	8,246.00	5 Min: 5775
					10 Min: 5580
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 5430
89.00	8,967.00	6,286.00	1.27		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
366,513.00	9,965.00		2,000.00		
Stage	**Formation**	**Frac Type**			
9	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
9/18/2011	8772 - 9014		9,303.00	7,871.00	5 Min: 5769
					10 Min: 5558
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 5385
89.80	9,303.00	6,261.00	1.27		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
401,320.00	10,168.00		2,000.00		

EQT WR-35	Completion	Attachment	Well	Treatment	Summary
Stage	**Formation**	**Frac Type**			
10	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
9/18/2011	8472 - 8714		7,610.00	7,586.00	5 Min:
					10 Min:
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min:
98.60	8,866.00	5,907.00	1.22		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
401,350.00	10,390.00		2,000.00		
Stage	**Formation**	**Frac Type**			
11	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
9/19/2011	8172 - 8354		6,888.00	7,442.00	5 Min: 5652
					10 Min: 5524
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 5419
100.10	8,620.00	5,971.00	1.22		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
399,820.00	9,852.00		2,000.00		
Stage	**Formation**	**Frac Type**			
12	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
9/19/2011	7872 - 8114		7,088.00	7,772.00	5 Min: 5578
					10 Min: 5471
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 5392
94.60	8,578.00	6,018.00	1.23		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
400,630.00	9,819.00		2,000.00		

EQT WR-35	Completion	Attachment	Well	Treatment	Summary
Stage	**Formation**	**Frac Type**			
13	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
9/19/2011	7722 - 7844		7,188.00	8,006.00	5 Min: 4646
					10 Min: 4595
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 4561
82.00	9,302.00	6,731.00	1.33		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
163,600.00	6,449.00		3,000.00		

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State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 9/4/12
API #: 47-097-03758

Farm name: Penn Virginia Operating Operator Well No.: 511470

LOCATION: Elevation: 2335' Quadrangle: Alton

District: Washington County: Upshur
Latitude: 3790' Feet South of 38° Deg. 47' Min. 30" Sec.
Longitude 6250' Feet West of 80° Deg. 10' Min. 0" Sec.

Company: EQT Production Company

Address: 120 Professional Place,	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Bridgeport, WV 26330				
Agent: Rex C. Ray	20"		34'	
Inspector: Bill Hatfield				
Date Permit Issued: 9/9/2010				
Date Well Work Commenced: 11/18/10				
Date Well Work Completed: 11/20/2010				
Verbal Plugging:				
Date Permission granted on:				
Rotary ☐ Cable ☐ Rig ☑				
Total Vertical Depth (ft): 65'				
Total Measured Depth (ft): 65'				
Fresh Water Depth (ft.): None reported				
Salt Water Depth (ft.): None reported				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): None reported				
Void(s) encountered (N/Y) Depth(s) N				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)
Producing formation_____ Pay zone depth (ft)_____
Gas: Initial open flow_____MCF/d Oil: Initial open flow_____Bbl/d
Final open flow_____MCF/d Final open flow _____Bbl/d
Time of open flow between initial and final tests_____Hours
Static rock Pressure_____psig (surface pressure) after _____Hours

Second producing formation_____ Pay zone depth (ft)_____
Gas: Initial open flow_____MCF/d Oil: Initial open flow_____Bbl/d
Final open flow_____MCF/d Final open flow _____Bbl/d
Time of open flow between initial and final tests_____Hours
Static rock Pressure_____psig (surface pressure) after _____Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Signature

10/17/12
Date

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OCT 23 2012
WV Department of Environmental Protection

Were core samples taken? Yes_____ No X_____ Were cuttings caught during drilling? Yes_____ No X_____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list None taken

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

No fracturing or Stimulation was conducted

Plug Back Details Including Plug Type and Depth(s):

Formations Encountered: Top Depth / Bottom Depth
Surface:

Sand & Stone 0 - 65'

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State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: OCT 1 0 2012
API No: **47-097-03768H**
Lease No: 63848

Farm Name: WOODY, D.J., ET AL Operator Well No. **ALT2AHS (405940)**

LOCATION: Elevation: 2132' Quadrangle: Alton

District: Washington County: Upshur

Latitude: 9,980 Feet South of: 38 Deg. 50 Min. 00 Sec.

Longitude: 9,400 Feet West of: 80 Deg. 10 Min. 00 Sec.

Company: CNX Gas Company LLC formerly Consol Gas Company

	Casing and Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: P.O. Box 1248				
Jane Lew, WV 26378				
Agent: Richard K. Elswick				
Inspector: Bill Hatfield				
Date Permit Issued: 12/14/2010				
Date Well Work Commenced: 05/27/2011	30"	27'	27'	Grouted In
Date Well Work Completed: 05/03/2012				
Verbal Plugging:	20"	40'	40'	125 sks
Date Permission granted on:				
Rotary Cable **Rig** X	13 3/8"	614'	614'	450 sks
Total Vertical Depth (feet): 7203				
Total Measured Depth (feet): 14300	9 5/8"	2039'	2039'	710 sks
Fresh Water Depth (ft.): 40', 157', 311'				
Salt Water Depth (ft.): N/A	7"	5514'	5514'	168 bbls
Is coal being mined in area (N/Y)?: No				
Coal Depths (ft.): 90'-93',163'-168',576'-579'	4 1/2"	14209'	14209'	175 bbls
Void(s) encountered (N/Y) Depth(s)				

OPEN FLOW DATA

Producing formation MARCELLUS Pay zone depth (ft) 7122'-14209'

Gas: Initial production 759 MCF/d Oil: Initial open flow * Bbl/d

Final open flow 1776 MCF/d Final open flow * Bbl/d

Time of open flow between initial and final tests 259.5 Hours

Initial Flowing Pressure 1556 psig (surface pressure) after 803 Hours

Second Producing formation _____ Pay zone depth (ft) _____

Gas: Initial open flow * MCF/d Oil: Initial open flow * Bbl/d

Final open flow * MCF/d Final open flow * Bbl/d

Time of open flow between initial and final tests * Hours

Static rock Pressure * psig (surface pressure) after * Hours

COMMINGLED WITH PREVIOUS FORMATIONS

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

RK Elswick 10-5-12

Signature Date

Rev. (9/21/2012)

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WELL: **ALT2AHS (405940)**

Were core samples taken? Yes____ No__X__ **Were cuttings caught during drilling?** Yes__X__ No____

Were ____ Electrical ____Mechanical , __X__ or Geophysical logs recorded on this well?

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

PERFORATED INTERVALS, FRACTURING, OR STIMULATING:

3/20/2012 FRACED STAGE 1/25. PERFED MARCELLUS @ 13954'-14076' W/ 15 SHOTS. SAND 89,300#, AVG PSI 8689, AVG RATE 37.9.
3/21/2012 FRACED STAGE 2/25. PERFED MARCELLUS @ 13775'-13897' W/ 10 SHOTS. SAND 99,600#, AVG PSI 8684, AVG RATE 37.6.
4/12/2012 FRACED STAGE 3/25. PERFED MARCELLUS @ 13595'-13717' W/ 10 SHOTS. SAND 130,200#, AVG PSI 8353, AVG RATE 33.0.
4/18/2012 FRACED STAGE 4/25. PERFED MARCELLUS @ 13415'-13537' W/ 10 SHOTS. SAND 242,200#, AVG PSI 8565, AVG RATE 53.0.
4/18/2012 FRACED STAGE 5/25. PERFED MARCELLUS @ 13235'-13357' W/ 10 SHOTS. SAND 258,400#, AVG PSI 8432, AVG RATE 59.1.
4/19/2012 FRACED STAGE 6/25. PERFED MARCELLUS @ 13055'-13177' W/ 10 SHOTS. SAND 273,700#, AVG PSI 8296, AVG RATE 58.1.
4/19/2012 FRACED STAGE 7/25. PERFED MARCELLUS @ 12875'-12997' W/ 10 SHOTS. SAND 257,800#, AVG PSI 8189, AVG RATE 55.5.
4/21/2012 FRACED STAGE 8/25. PERFED MARCELLUS @ 12695'-12817' W/ 10 SHOTS. SAND 262,100#, AVG PSI 8191, AVG RATE 56.0.
4/22/2012 FRACED STAGE 9/25. PERFED MARCELLUS @ 12455'-12637' W/ 9 SHOTS. SAND 340,100#, AVG PSI 8486, AVG RATE 61.2.
4/22/2012 FRACED STAGE 10/25. PERFED MARCELLUS @ 12215'-12397' W/ 9 SHOTS. SAND 354,800#, AVG PSI 8419, AVG RATE 63.0
4/23/2012 FRACED STAGE 11/25. PERFED MARCELLUS @ 11975'-12157' W/ 9 SHOTS. SAND 345,100#, AVG PSI 8365, AVG RATE 53.3.
4/25/2012 FRACED STAGE 12/25. PERFED MARCELLUS @ 11735'-11917' W/ 9 SHOTS. SAND 350,700#, AVG PSI 8489, AVG RATE 61.9.
4/25/2012 FRACED STAGE 13/25. PERFED MARCELLUS @ 11495'-11677' W/ 9 SHOTS. SAND 337,000#, AVG PSI 8484, AVG RATE 58.0.
4/26/2012 FRACED STAGE 14/25. PERFED MARCELLUS @ 11255'-11437' W/ 9 SHOTS. SAND 340,700#, AVG PSI 8284, AVG RATE 57.9.
4/27/2012 FRACED STAGE 15/25. PERFED MARCELLUS @ 11015'-11197' W/ 9 SHOTS. SAND 339,300#, AVG PSI 8360, AVG RATE 63.8.
4/28/2012 FRACED STAGE 16/25. PERFED MARCELLUS @ 10775'-10957' W/ 9 SHOTS. SAND 338,100#, AVG PSI 8574, AVG RATE 62.5.
4/28/2012 FRACED STAGE 17/25. PERFED MARCELLUS @ 10535'-10717' W/ 9 SHOTS. SAND 342,200#, AVG PSI 8301, AVG RATE 64.7.
4/28/2012 FRACED STAGE 18/25. PERFED MARCELLUS @ 10235'-10477' W/ 8 SHOTS. SAND 427,800#, AVG PSI 8553, AVG RATE 71.3.
4/29/2012 FRACED STAGE 19/25. PERFED MARCELLUS @ 9935'-10177' W/ 8 SHOTS. SAND 428,500#, AVG PSI 8384, AVG RATE 76.0.
4/30/2012 FRACED STAGE 20/25. PERFED MARCELLUS @ 9635'-9877' W/ 8 SHOTS. SAND 429,400#, AVG PSI 8554, AVG RATE 78.3.
4/30/2012 FRACED STAGE 21/25. PERFED MARCELLUS @ 9335'-9577' W/ 8 SHOTS. SAND 425,500#, AVG PSI 8402, AVG RATE 77.1.
4/30/2012 FRACED STAGE 22/25. PERFED MARCELLUS @ 9035'-9277' W/ 8 SHOTS. SAND 425,600#, AVG PSI 8244, AVG RATE 74.0.
5/1/2012 FRACED STAGE 23/25. PERFED MARCELLUS @ 8735'-8977' W/ 8 SHOTS. SAND 433,500#, AVG PSI 8061, AVG RATE 81.0.
5/3/2012 FRACED STAGE 24/25. PERFED MARCELLUS @ 8435'-8677' W/ 8 SHOTS. SAND 393,700#, AVG PSI 8138, AVG RATE 79.4.
5/3/2012 FRACED STAGE 25/25. PERFED MARCELLUS @ 8135'-8377' W/ 8 SHOTS. SAND 428,600#, AVG PSI 7964, AVG RATE 81.7.

FORMATIONS ENCOUNTERED:

Fill	0	10	Sand/Shale	10	21	Clay	21	31	Sand/Shale	31	46
Sand	46	90	Coal	90	93	Shale	93	120	Sand/Shale	120	125
Sand	125	155	Sand/Shale	155	163	Coal	163	168	Sand/Shale	168	172
Sand	172	430	Sand/Shale	430	455	Sand	455	576	Coal	576	579
Sand/Shale	579	622	Sand	622	670	Sand/Shale	670	783	Shale	783	801
Shale/Sand	801	1000	RedRock	1000	1031	Shale/Sand	1031	1080	Sand	1080	1270
Sand/Shale	1270	1335	Sand	1335	1370	Sand/Shale	1370	1430	Lime	1430	1474
Injun	1474	1624	Shale/Sand	1624	1646	Fifty Foot	1646	1686	Shale/Sand	1686	1886
RedRock	1886	1995	Sand	1995	2015	Shale/Sand	2015	2104	5th Sand	2104	2125
Shale/Sand	2125	2182	Bayard	2182	2231	Sand/Shale	2231	3084	Sand	3084	3110
Sand/Shale	3110	3490	Sand	3490	3550	Sand/Shale	3550	3800	Benson	3800	3815
Shale	3815	3905	Sand/Shale	3905	3950	Sand	3950	3970	Shale	3970	4000
Shale/Sand	4000	5550									

GAMMA RAY / FORMATION TOPS

#ALT2AHS (405940) **47-097-03768H**

	TOP	BASE	
FORMATIONS MEASURED IN TVD			
HOLE NOT LOGGED UNTIL KICKOFF POINT			
BURKETT	6977	7021	
TULLY	7021	7059	
HAMILTON	7059	7122	
MARCELLUS	7122		
LTD	14300		

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State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: OCT 1 0 2012
API No: **47-097-03769H**
Lease No: 63848

Farm Name: WOODY, D.J., ET AL Operator Well No. **ALT2BHS (405942)**

LOCATION: Elevation: 2132' Quadrangle: Alton

District: Washington County: Upshur

Latitude: 9,970 Feet South of: 38 Deg. 50 Min. 00 Sec.

Longitude: 9,380 Feet West of: 80 Deg. 10 Min. 00 Sec.

Company: CNX Gas Company LLC formerly Consol Gas Company

	Casing and Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: P.O. Box 1248				
Jane Lew, WV 26378				
Agent: Richard K. Elswick				
Inspector: Bill Hatfield				
Date Permit Issued: 12/13/2010				
Date Well Work Commenced: 06/13/2011	30"	40'	40'	Grouted In
Date Well Work Completed: 04/23/2012				
Verbal Plugging:	13 3/8"	628'	628'	540 sks
Date Permission granted on:				
Rotary **Cable** **Rig** X	9 5/8"	2024'	2024'	670 sks
Total Vertical Depth (feet): 7186				
Total Measured Depth (feet): 13870	7"	5496'	5496'	658 sks
Fresh Water Depth (ft.): 40', 157', 311'				
Salt Water Depth (ft.): N/A	4 1/2"	13840'	13840'	672 sks
Is coal being mined in area (N/Y)?: No				
Coal Depths (ft.): 90'-93',163'-168',576'-579'				
Void(s) encountered (N/Y) Depth(s)				

OPEN FLOW DATA

Producing formation MARCELLUS Pay zone depth (ft) 7115'-13840'

Gas: Initial production 672 MCF/d Oil: Initial open flow * Bbl/d

Final open flow 2064 MCF/d Final open flow * Bbl/d

Time of open flow between initial and final tests 264 Hours

Initial Flowing Pressure 1312 psig (surface pressure) after 483.50 Hours

Second Producing formation _____ Pay zone depth (ft) _____

Gas: Initial open flow * MCF/d Oil: Initial open flow * Bbl/d

Final open flow * MCF/d Final open flow * Bbl/d

Time of open flow between initial and final tests * Hours

Static rock Pressure * psig (surface pressure) after * Hours

COMMINGLED WITH PREVIOUS FORMATIONS

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

R.K. Elswick
Signature

10-3-12
Date

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WELL: **ALT2BHS (405942)**

Were core samples taken? Yes____ No__X__ **Were cuttings caught during drilling?** Yes__X__ No____

Were _____ Electrical _____Mechanical , __X__ or Geophysical logs recorded on this well?

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

PERFORATED INTERVALS, FRACTURING, OR STIMULATING:

4/5/2012 FRACED STAGE 1/24. PERFED MARCELLUS @ 13662'-13784' W/ 15 SHOTS. SAND 173,600#, AVG PSI 8550, AVG RATE 53.9.
4/10/2012 FRACED STAGE 2/24. PERFED MARCELLUS @ 13483'-13605' W/ 10 SHOTS. SAND 227,500#, AVG PSI 8263, AVG RATE 50.7.
4/10/2012 FRACED STAGE 3/24. PERFED MARCELLUS @ 13303'-13425' W/ 10 SHOTS. SAND 210,000#, AVG PSI 8441, AVG RATE 49.7.
4/11/2012 FRACED STAGE 4/24. PERFED MARCELLUS @ 12943'-13065' W/ 10 SHOTS. SAND 210,000#, AVG PSI 8132, AVG RATE 52.5.
4/12/2012 FRACED STAGE 5/24. PERFED MARCELLUS @ 12938'-13062' W/ 10 SHOTS. SAND 215,100#, AVG PSI 8092, AVG RATE 50.0.
4/13/2012 FRACED STAGE 6/24. PERFED MARCELLUS @ 12763'-12890' W/ 10 SHOTS. SAND 125,300#, AVG PSI 8154, AVG RATE 46.8.
4/14/2012 FRACED STAGE 7/24. PERFED MARCELLUS @ 12583'-12708' W/ 10 SHOTS. SAND 199,400#, AVG PSI 8125, AVG RATE 55.9.
4/14/2012 FRACED STAGE 8/24. PERFED MARCELLUS @ 12403'-12525' W/ 10 SHOTS. SAND 154,000#, AVG PSI 8079, AVG RATE 52.4.
4/14/2012 FRACED STAGE 9/24. PERFED MARCELLUS @ 12163'-12345' W/ 9 SHOTS. SAND 287,900#, AVG PSI 8238, AVG RATE 57.1.
4/14/2012 FRACED STAGE 10/24. PERFED MARCELLUS @ 11928'-12105' W/ 9 SHOTS. SAND 266,800#, AVG PSI 8131, AVG RATE 61.4.
4/15/2012 FRACED STAGE 11/24. PERFED MARCELLUS @ 11683'-11865' W/ 9 SHOTS. SAND 280,600#, AVG PSI 8243, AVG RATE 59.0.
4/15/2012 FRACED STAGE 12/24. PERFED MARCELLUS @ 11443'-11625' W/ 9 SHOTS. SAND 285,100#, AVG PSI 8023, AVG RATE 61.4.
4/15/2012 FRACED STAGE 13/24. PERFED MARCELLUS @ 11203'-11385' W/ 9 SHOTS. SAND 283,200#, AVG PSI 8219, AVG RATE 64.3.
4/16/2012 FRACED STAGE 14/24. PERFED MARCELLUS @ 10963'-11142' W/ 9 SHOTS. SAND 284,200#, AVG PSI 8172, AVG RATE 62.0.
4/16/2012 FRACED STAGE 15/24. PERFED MARCELLUS @ 10723'-10905' W/ 9 SHOTS. SAND 283,700#, AVG PSI 8245, AVG RATE 59.6.
4/16/2012 FRACED STAGE 16/24. PERFED MARCELLUS @ 10483'-10665' W/ 9 SHOTS. SAND 257,500#, AVG PSI 8428, AVG RATE 59.0.
4/17/2012 FRACED STAGE 17/24. PERFED MARCELLUS @ 10250'-10425' W/ 9 SHOTS. SAND 284,000#, AVG PSI 8274, AVG RATE 61.9.
4/18/2012 FRACED STAGE 18/24. PERFED MARCELLUS @ 9943'-10185' W/ 8 SHOTS. SAND 350,500#, AVG PSI 8398, AVG RATE 71.0.
4/18/2012 FRACED STAGE 19/24. PERFED MARCELLUS @ 9645'-9883' W/ 8 SHOTS. SAND 325,500#, AVG PSI 8411, AVG RATE 69.9.
4/19/2012 FRACED STAGE 20/24. PERFED MARCELLUS @ 9348'-9585' W/ 8 SHOTS. SAND 354,500#, AVG PSI 8138, AVG RATE 58.1.
4/21/2012 FRACED STAGE 21/24. PERFED MARCELLUS @ 9043'-9285' W/ 8 SHOTS. SAND 348,400#, AVG PSI 8411, AVG RATE 70.8.
4/21/2012 FRACED STAGE 22/24. PERFED MARCELLUS @ 8743'-8985' W/ 8 SHOTS. SAND 350,100#, AVG PSI 8347, AVG RATE 79.3.
4/22/2012 FRACED STAGE 23/24. PERFED MARCELLUS @ 8446'-8682' W/ 8 SHOTS. SAND 353,800#, AVG PSI 7960, AVG RATE 77.6.
4/23/2012 FRACED STAGE 24/24. PERFED MARCELLUS @ 8143'-8385' W/ 8 SHOTS. SAND 434,500#, AVG PSI 8358, AVG RATE 65.5.

FORMATIONS ENCOUNTERED:

Fill	0	10	Sand/Shale	10	21	Clay	21	31	Sand/Shale	31	46
Sand	46	90	Coal	90	93	Shale	93	120	Sand/Shale	120	125
Sand	125	155	Sand/Shale	155	163	Coal	163	168	Sand/Shale	168	172
Sand	172	430	Sand/Shale	430	455	Sand	455	576	Coal	576	579
Sand/Shale	579	622	Sand	622	670	Sand/Shale	670	783	Shale	783	801
Shale/Sand	801	1000	RedRock	1000	1031	Shale/Sand	1031	1080	Sand	1080	1270
Sand/Shale	1270	1335	Sand	1335	1370	Sand/Shale	1370	1430	Lime	1430	1474
Injun	1474	1624	Shale/Sand	1624	1646	Fifty Foot	1646	1686	Shale/Sand	1686	1886
RedRock	1886	1995	Sand	1995	2015	Shale/Sand	2015	2104	5th Sand	2104	2125
Shale/Sand	2125	2182	Bayard	2182	2231	Sand/Shale	2231	3084	Sand	3084	3110
Sand/Shale	3110	3490	Sand	3490	3550	Sand/Shale	3550	3800	Benson	3800	3815
Shale	3815	3905	Sand/Shale	3905	3950	Sand	3950	3970	Shale	3970	4000
Shale/Sand	4000	5550									

GAMMA RAY / FORMATION TOPS

#ALT2BHS (405942) **47-097-03769H**

	TOP	BASE	
FORMATIONS MEASURED IN TVD			
HOLE NOT LOGGED UNTIL KICKOFF POINT			
BURKETT	6974	7018	
TULLY	7018	7054	
HAMILTON	7054	7115	
MARCELLUS	7115		
LTD	13870		

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State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: OCT 1 0 2012
API No: **47-097-03770H**
Lease No: 63848

Farm Name: WOODY, D.J., ET AL Operator Well No. **ALT2CHS (405944)**

LOCATION: Elevation: 2132' Quadrangle: Alton

District: Washington County: Upshur

Latitude: 9,960 Feet South of: 38 Deg. 50 Min. 00 Sec.

Longitude: 9,360 Feet West of: 80 Deg. 10 Min. 00 Sec.

Company: CNX Gas Company LLC formerly Consol Gas Company

	Casing and Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: P.O. Box 1248				
Jane Lew, WV 26378				
Agent: Richard K. Elswick				
Inspector: Bill Hatfield				
Date Permit Issued: 12/13/2010				
Date Well Work Commenced: 06/27/2011	30"	40'	40'	Grouted In
Date Well Work Completed: 05/01/2012				
Verbal Plugging:	13 3/8"	612'	612'	576 sks
Date Permission granted on:				
Rotary **Cable** **Rig** X	9 5/8"	2004'	2004'	650 sks
Total Vertical Depth (feet): 7183				
Total Measured Depth (feet): 13560	7"	5496'	5496'	744 sks
Fresh Water Depth (ft.): 40', 157', 311'				
Salt Water Depth (ft.): N/A	4 1/2"	13473'	13473'	259 bbls
Is coal being mined in area (N/Y)?: No				
Coal Depths (ft.): 90'-93',163'-168',576'-579'				
Void(s) encountered (N/Y) Depth(s)				

OPEN FLOW DATA

Producing formation MARCELLUS Pay zone depth (ft) 7117'-13473'

Gas: Initial production 816 MCF/d Oil: Initial open flow * Bbl/d

Final open flow 1872 MCF/d Final open flow * Bbl/d

Time of open flow between initial and final tests 744.5 Hours

Initial Flowing Pressure 1389 psig (surface pressure) after 977.5 Hours

Second Producing formation _____ Pay zone depth (ft) _____

Gas: Initial open flow * MCF/d Oil: Initial open flow * Bbl/d

Final open flow * MCF/d Final open flow * Bbl/d

Time of open flow between initial and final tests * Hours

Static rock Pressure * psig (surface pressure) after * Hours

* ***COMMINGLED WITH PREVIOUS FORMATIONS***

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete

R.K. Elswick

Signature

10-3-12

Date

OCT 12 2012

Rev. (9/27/2012)

WELL: **ALT2CHS (405944)**

Were core samples taken? Yes____ No__X__ **Were cuttings caught during drilling?** Yes__X__ No____

Were _____ Electrical _____Mechanical , __X__ or Geophysical logs recorded on this well?

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

PERFORATED INTERVALS, FRACTURING, OR STIMULATING:

4/5/2012 FRACED STAGE 1/24. PERFED MARCELLUS @ 13284'-13403' W/ 15 SHOTS. SAND 253,000#, AVG PSI 8168, AVG RATE 57.8.
4/10/2012 FRACED STAGE 2/24. PERFED MARCELLUS @ 13105'-13227' W/ 10 SHOTS. SAND 121,200#, AVG PSI 8486, AVG RATE 53.2.
4/10/2012 FRACED STAGE 3/24. PERFED MARCELLUS @ 12925'-13047' W/ 10 SHOTS. SAND 210,500#, AVG PSI 8403, AVG RATE 53.6.
4/10/2012 FRACED STAGE 4/24. PERFED MARCELLUS @ 12750'-12867' W/ 10 SHOTS. SAND 219,300#, AVG PSI 8323, AVG RATE 55.7.
4/12/2012 FRACED STAGE 5/24. PERFED MARCELLUS @ 12570'-12687' W/ 10 SHOTS. SAND 176,500#, AVG PSI 8225, AVG RATE 52.4.
4/17/2012 FRACED STAGE 6/24. PERFED MARCELLUS @ 12380'-12507' W/ 10 SHOTS. SAND 214,200#, AVG PSI 8275, AVG RATE 59.4.
4/18/2012 FRACED STAGE 7/24. PERFED MARCELLUS @ 12214'-12327' W/ 10 SHOTS. SAND 208,600#, AVG PSI 8359, AVG RATE 58.3.
4/18/2012 FRACED STAGE 8/24. PERFED MARCELLUS @ 12025'-12147' W/ 10 SHOTS. SAND 211,800#, AVG PSI 8326, AVG RATE 61.3.
4/19/2012 FRACED STAGE 9/24. PERFED MARCELLUS @ 11785'-11967' W/ 9 SHOTS. SAND 286,900#, AVG PSI 8173, AVG RATE 58.6.
4/20/2012 FRACED STAGE 10/24. PERFED MARCELLUS @ 11545'-11727' W/ 9 SHOTS. SAND 280,200#, AVG PSI 8558, AVG RATE 60.5.
4/21/2012 FRACED STAGE 11/24. PERFED MARCELLUS @ 11305'-11487' W/ 9 SHOTS. SAND 286,000#, AVG PSI 8164, AVG RATE 60.6.
4/22/2012 FRACED STAGE 12/24. PERFED MARCELLUS @ 11065'-11247' W/ 9 SHOTS. SAND 297,800#, AVG PSI 8317, AVG RATE 67.5.
4/23/2012 FRACED STAGE 13/24. PERFED MARCELLUS @ 10825'-11007' W/ 9 SHOTS. SAND 238,700#, AVG PSI 8522, AVG RATE 61.9.
4/25/2012 FRACED STAGE 14/24. PERFED MARCELLUS @ 10585'-10767' W/ 9 SHOTS. SAND 283,200#, AVG PSI 8465, AVG RATE 67.4.
4/25/2012 FRACED STAGE 15/24. PERFED MARCELLUS @ 10345'-10527' W/ 9 SHOTS. SAND 283,000#, AVG PSI 8273, AVG RATE 66.7.
4/26/2012 FRACED STAGE 16/24. PERFED MARCELLUS @ 10105'-10287' W/ 9 SHOTS. SAND 280,800#, AVG PSI 8499, AVG RATE 58.3.
4/26/2012 FRACED STAGE 17/24. PERFED MARCELLUS @ 9865'-10047' W/ 9 SHOTS. SAND 279,400#, AVG PSI 8560, AVG RATE 60.7.
4/27/2012 FRACED STAGE 18/24. PERFED MARCELLUS @ 9565'-9807' W/ 8 SHOTS. SAND 348,400#, AVG PSI 8542, AVG RATE 66.4.
4/28/2012 FRACED STAGE 19/24. PERFED MARCELLUS @ 9265'-9507' W/ 8 SHOTS. SAND 355,000#, AVG PSI 8530, AVG RATE 63.4.
4/28/2012 FRACED STAGE 20/24. PERFED MARCELLUS @ 8965'-9207' W/ 8 SHOTS. SAND 352,000#, AVG PSI 8461, AVG RATE 69.0.
4/29/2012 FRACED STAGE 21/24. PERFED MARCELLUS @ 8665'-8907' W/ 8 SHOTS. SAND 356,600#, AVG PSI 8351, AVG RATE 78.3.
4/30/2012 FRACED STAGE 22/24. PERFED MARCELLUS @ 8365'-8607' W/ 8 SHOTS. SAND 286,800#, AVG PSI 8569, AVG RATE 81.3.
4/30/2012 FRACED STAGE 23/24. PERFED MARCELLUS @ 8065'-8307' W/ 8 SHOTS. SAND 76,300#, AVG PSI 8016, AVG RATE 53.7.
5/1/2012 FRACED STAGE 24/24. PERFED MARCELLUS @ 7765'-8007' W/ 8 SHOTS. SAND 670,200#, AVG PSI 7898, AVG RATE 79.2.

FORMATIONS ENCOUNTERED:

Fill	0	10	Sand/Shale	10	21	Clay	21	31	Sand/Shale	31	46
Sand	46	90	Coal	90	93	Shale	93	120	Sand/Shale	120	125
Sand	125	155	Sand/Shale	155	163	Coal	163	168	Sand/Shale	168	172
Sand	172	430	Sand/Shale	430	455	Sand	455	576	Coal	576	579
Sand/Shale	579	622	Sand	622	670	Sand/Shale	670	783	Shale	783	801
Shale/Sand	801	1000	RedRock	1000	1031	Shale/Sand	1031	1080	Sand	1080	1270
Sand/Shale	1270	1335	Sand	1335	1370	Sand/Shale	1370	1430	Lime	1430	1474
Injun	1474	1624	Shale/Sand	1624	1646	Fifty Foot	1646	1686	Shale/Sand	1686	1886
RedRock	1886	1995	Sand	1995	2015	Shale/Sand	2015	2104	5th Sand	2104	2125
Shale/Sand	2125	2182	Bayard	2182	2231	Sand/Shale	2231	3084	Sand	3084	3110
Sand/Shale	3110	3490	Sand	3490	3550	Sand/Shale	3550	3800	Benson	3800	3815
Shale	3815	3905	Sand/Shale	3905	3950	Sand	3950	3970	Shale	3970	4000
Shale/Sand	4000	5550									

GAMMA RAY / FORMATION TOPS

#ALT2CHS (405944) **47-097-03770H**

	TOP	BASE	
FORMATIONS MEASURED IN TVD			
HOLE NOT LOGGED UNTIL KICKOFF POINT			
BURKETT	6975	7017	
TULLY	7018	7063	
HAMILTON	7064	7116	
MARCELLUS	7117		
LTD	13560		

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State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: OCT 1 0 2012
API No: 47-097-03771H
Lease No: 63848

Farm Name: WOODY, D.J., ET AL Operator Well No. ALT2DHS (405946)

LOCATION: Elevation: 2132' Quadrangle: Alton

District: Washington County: Upshur

Latitude: 9,950 Feet South of: 38 Deg. 50 Min. 00 Sec.

Longitude: 9,340 Feet West of: 80 Deg. 10 Min. 00 Sec.

Company: CNX Gas Company LLC formerly Consol Gas Company

	Casing and Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: P.O. Box 1248				
Jane Lew, WV 26378				
Agent: Richard K. Elswick				
Inspector: Bill Hatfield				
Date Permit Issued: 12/13/2010				
Date Well Work Commenced: 07/10/2011	30"	40'	40'	Grouted In
Date Well Work Completed: 05/13/2012				
Verbal Plugging:	13 3/8"	632'	632'	500 sks
Date Permission granted on:				
Rotary **Cable** **Rig** X	9 5/8"	2010'	2010'	650 sks
Total Vertical Depth (feet): 7193				
Total Measured Depth (feet): 13335	7"	6321'	6321'	692 sks
Fresh Water Depth (ft.): 40', 157', 311'				
Salt Water Depth (ft.): N/A	4 1/2"	13269'	13269'	597 sks
Is coal being mined in area (N/Y)?: No				
Coal Depths (ft.): 90'-93',163'-168',576'-579'				
Void(s) encountered (N/Y) Depth(s)				

OPEN FLOW DATA

Producing formation MARCELLUS Pay zone depth (ft) 7121'-13269'

Gas: Initial production 3872 MCF/d Oil: Initial open flow * Bbl/d

Final open flow 3312 MCF/d Final open flow * Bbl/d

Time of open flow between initial and final tests 110.50 Hours

Initial Flowing Pressure 2025 psig (surface pressure) after 832.50 Hours

Second Producing formation _____ Pay zone depth (ft) _____

Gas: Initial open flow * MCF/d Oil: Initial open flow * Bbl/d

Final open flow * MCF/d Final open flow * Bbl/d

Time of open flow between initial and final tests * Hours

Static rock Pressure * psig (surface pressure) after * Hours

COMMINGLED WITH PREVIOUS FORMATIONS

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete

R.K. Elswick
Signature

10-3-12
Date

Rev. (9/27/2012)

WELL: **ALT2DHS (405946)**

Were core samples taken? Yes____ No__X__ **Were cuttings caught during drilling?** Yes__X__ No____

Were ____ Electrical ____Mechanical , __X__ or Geophysical logs recorded on this well?

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

PERFORATED INTERVALS, FRACTURING, OR STIMULATING:

5/5/2012 FRACED STAGE 1/25. PERFED MARCELLUS @ 13108'-13171' W/ 15 SHOTS. SAND 240,100#, AVG PSI 8077, AVG RATE 62.9.
5/5/2012 FRACED STAGE 2/25. PERFED MARCELLUS @ 12976'-13076' W/ 10 SHOTS. SAND 212,200#, AVG PSI 8006, AVG RATE 59.1.
5/5/2012 FRACED STAGE 3/25. PERFED MARCELLUS @ 12796'-12914' W/ 10 SHOTS. SAND 207,600#, AVG PSI 8407, AVG RATE 64.8.
5/5/2012 FRACED STAGE 4/25. PERFED MARCELLUS @ 12620'-12738' W/ 10 SHOTS. SAND 208,300#, AVG PSI 8529, AVG RATE 64.5.
5/6/2012 FRACED STAGE 5/25. PERFED MARCELLUS @ 12436'-12558' W/ 10 SHOTS. SAND 210,700#, AVG PSI 8350, AVG RATE 61.6.
5/6/2012 FRACED STAGE 6/25. PERFED MARCELLUS @ 12256'-12378' W/ 10 SHOTS. SAND 211,000#, AVG PSI 8404, AVG RATE 65.2.
5/6/2012 FRACED STAGE 7/25. PERFED MARCELLUS @ 12076'-12198' W/ 10 SHOTS. SAND 211,000#, AVG PSI 8292, AVG RATE 70.7.
5/6/2012 FRACED STAGE 8/25. PERFED MARCELLUS @ 11896'-12018' W/ 10 SHOTS. SAND 216,500#, AVG PSI 8323, AVG RATE 69.9.
5/7/2012 FRACED STAGE 9/25. PERFED MARCELLUS @ 11656'-11838' W/ 9 SHOTS. SAND 279,700#, AVG PSI 8405, AVG RATE 75.9.
5/7/2012 FRACED STAGE 10/25. PERFED MARCELLUS @ 11416'-11598' W/ 9 SHOTS. SAND 281,400#, AVG PSI 8443, AVG RATE 75.7.
5/7/2012 FRACED STAGE 11/25. PERFED MARCELLUS @ 11176'-11358' W/ 9 SHOTS. SAND 279,900#, AVG PSI 8154, AVG RATE 74.5.
5/7/2012 FRACED STAGE 12/25. PERFED MARCELLUS @ 10932'-11118' W/ 9 SHOTS. SAND 60,700#, AVG PSI 8481, AVG RATE 74.6.
5/7/2012 FRACED STAGE 13/25. PERFED MARCELLUS @ 10696'-10878' W/ 9 SHOTS. SAND 311,200#, AVG PSI 8240, AVG RATE 85.0.
5/8/2012 FRACED STAGE 14/25. PERFED MARCELLUS @ 10456'-10638' W/ 9 SHOTS. SAND 284,500#, AVG PSI 8370, AVG RATE 83.3.
5/8/2012 FRACED STAGE 15/25. PERFED MARCELLUS @ 10216'-10398' W/ 9 SHOTS. SAND 306,400#, AVG PSI 8246, AVG RATE 85.1.
5/8/2012 FRACED STAGE 16/25. PERFED MARCELLUS @ 9976'-10158' W/ 9 SHOTS. SAND 237,900#, AVG PSI 8441, AVG RATE 81.7.
5/9/2012 FRACED STAGE 17/25. PERFED MARCELLUS @ 9736'-9918' W/ 9 SHOTS. SAND 289,100#, AVG PSI 8329, AVG RATE 71.7.
5/9/2012 FRACED STAGE 18/25. PERFED MARCELLUS @ 9436'-9678' W/ 8 SHOTS. SAND 357,300#, AVG PSI 8274, AVG RATE 85.7.
5/9/2012 FRACED STAGE 19/25. PERFED MARCELLUS @ 9136'-9376' W/ 8 SHOTS. SAND 348,900#, AVG PSI 8161, AVG RATE 84.4.
5/10/2012 FRACED STAGE 20/25. PERFED MARCELLUS @ 8836'-9078' W/ 8 SHOTS. SAND 354,700#, AVG PSI 8190, AVG RATE 89.8.
5/10/2012 FRACED STAGE 21/25. PERFED MARCELLUS @ 8536'-8778' W/ 8 SHOTS. SAND 350,200#, AVG PSI 7810, AVG RATE 81.0.
5/10/2012 FRACED STAGE 22/25. PERFED MARCELLUS @ 8236'-8478' W/ 8 SHOTS. SAND 351,900#, AVG PSI 8441, AVG RATE 81.4.
5/13/2012 FRACED STAGE 23/25. PERFED MARCELLUS @ 7936'-8178' W/ 8 SHOTS. SAND 355,900#, AVG PSI 8122, AVG RATE 81.6.
5/13/2012 FRACED STAGE 24/25. PERFED MARCELLUS @ 7636'-7882' W/ 8 SHOTS. SAND 353,600#, AVG PSI 7575, AVG RATE 80.5.
5/13/2012 FRACED STAGE 25/25. PERFED MARCELLUS @ 7336'-7576' W/ 8 SHOTS. SAND 426,200#, AVG PSI 7031, AVG RATE 79.0.

FORMATIONS ENCOUNTERED:

Fill	0	10	Sand/Shale	10	21	Clay	21	31	Sand/Shale	31	46
Sand	46	90	Coal	90	93	Shale	93	120	Sand/Shale	120	125
Sand	125	155	Sand/Shale	155	163	Coal	163	168	Sand/Shale	168	172
Sand	172	430	Sand/Shale	430	455	Sand	455	576	Coal	576	579
Sand/Shale	579	622	Sand	622	670	Sand/Shale	670	783	Shale	783	801
Shale/Sand	801	1000	RedRock	1000	1031	Shale/Sand	1031	1080	Sand	1080	1270
Sand/Shale	1270	1335	Sand	1335	1370	Sand/Shale	1370	1430	Lime	1430	1474
Injun	1474	1624	Shale/Sand	1624	1646	Fifty Foot	1646	1686	Shale/Sand	1686	1886
RedRock	1886	1995	Sand	1995	2015	Shale/Sand	2015	2104	5th Sand	2104	2125
Shale/Sand	2125	2182	Bayard	2182	2231	Sand/Shale	2231	3084	Sand	3084	3110
Sand/Shale	3110	3490	Sand	3490	3550	Sand/Shale	3550	3800	Benson	3800	3815
Shale	3815	3905	Sand/Shale	3905	3950	Sand	3950	3970	Shale	3970	4000
Shale/Sand	4000	5550									

GAMMA RAY / FORMATION TOPS

#ALT2DHS (405946) **47-097-03771H**

	TOP	BASE	
FORMATIONS MEASURED IN TVD			
HOLE NOT LOGGED UNTIL KICKOFF POINT			
BURKETT	6978	7023	
TULLY	7024	7066	
HAMILTON	7067	7120	
MARCELLUS	7121		
LTD	13335		

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State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: OCT 1 0 2012
API No: **47-097-03772H**
Lease No: 63848

Farm Name: WOODY, D.J., ET AL Operator Well No. **ALT2EHS (405948)**

LOCATION: Elevation: 2132' Quadrangle: Alton

District: Washington County: Upshur

Latitude: 9,940 Feet South of: 38 Deg. 50 Min. 00 Sec.

Longitude: 9,320 Feet West of: 80 Deg. 10 Min. 00 Sec.

Company: CNX Gas Company LLC formerly Consol Gas Company

	Casing and Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: P.O. Box 1248				
Jane Lew, WV 26378				
Agent: Richard K. Elswick				
Inspector: Bill Hatfield				
Date Permit Issued: 12/13/2010				
Date Well Work Commenced: 07/30/2011	30"	40'	40'	Grouted In
Date Well Work Completed: 05/25/2012				
Verbal Plugging:	13 3/8"	617.75'	617.75'	470 sks
Date Permission granted on:				
Rotary **Cable** **Rig** X	9 5/8"	2005.7	2005.7	620 sks
Total Vertical Depth (feet): 7193				
Total Measured Depth (feet): 13559	7"	6046'	6046'	684 sks
Fresh Water Depth (ft.): 40', 157', 311'				
Salt Water Depth (ft.): N/A	4 1/2"	13517'	13517'	605 sks
Is coal being mined in area (N/Y)?: No				
Coal Depths (ft.): 90'-93',163'-168',576'-579'				
Void(s) encountered (N/Y) Depth(s)				

OPEN FLOW DATA

Producing formation MARCELLUS Pay zone depth (ft) 7119'-13517'

Gas: Initial production 80.64 MCF/d Oil: Initial open flow * Bbl/d

Final open flow 3888 MCF/d Final open flow * Bbl/d

Time of open flow between initial and final tests 208.50 Hours

Initial Flowing Pressure 2550 psig (surface pressure) after 1077.50 Hours

Second Producing formation _____ Pay zone depth (ft) _____

Gas: Initial open flow * MCF/d Oil: Initial open flow * Bbl/d

Final open flow * MCF/d Final open flow * Bbl/d

Time of open flow between initial and final tests * Hours

Static rock Pressure * psig (surface pressure) after * Hours

COMMINGLED WITH PREVIOUS FORMATIONS

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete

R.K. Elswick
Signature

10-3-12
Date

Rev. (9/27/2012)

WELL: **ALT2EHS (405948)**

Were core samples taken? Yes____ No__X__ **Were cuttings caught during drilling?** Yes__X__ No____

Were ____ **Electrical** ____**Mechanical ,** __X__ **or Geophysical logs recorded on this well?**

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

PERFORATED INTERVALS, FRACTURING, OR STIMULATING:

5/11/2012 FRACED STAGE 1/25. PERFED MARCELLUS @ 13356'-13468' W/ 15 SHOTS. SAND 258,000#, AVG PSI 8383, AVG RATE 73.1.
5/14/2012 FRACED STAGE 2/25. PERFED MARCELLUS @ 13177'-13299' W/ 10 SHOTS. SAND 251,800#, AVG PSI 8469, AVG RATE 64.0.
5/14/2012 FRACED STAGE 3/25. PERFED MARCELLUS @ 12993'-13119' W/ 10 SHOTS. SAND 258,800#, AVG PSI 8237, AVG RATE 69.6.
5/14/2012 FRACED STAGE 4/25. PERFED MARCELLUS @ 12817'-12939' W/ 10 SHOTS. SAND 259,000#, AVG PSI 8242, AVG RATE 66.5.
5/15/2012 FRACED STAGE 5/25. PERFED MARCELLUS @ 12637'-12759' W/ 10 SHOTS. SAND 254,700#, AVG PSI 8328, AVG RATE 68.1.
5/15/2012 FRACED STAGE 6/25. PERFED MARCELLUS @ 12457'-12579' W/ 10 SHOTS. SAND 253,300#, AVG PSI 8368, AVG RATE 67.5.
5/15/2012 FRACED STAGE 7/25. PERFED MARCELLUS @ 12277'-12399' W/ 10 SHOTS. SAND 260,700#, AVG PSI 8223, AVG RATE 69.4.
5/15/2012 FRACED STAGE 8/25. PERFED MARCELLUS @ 12097'-12219' W/ 10 SHOTS. SAND 253,900#, AVG PSI 8005, AVG RATE 64.4.
5/16/2012 FRACED STAGE 9/25. PERFED MARCELLUS @ 11857'-12039' W/ 9 SHOTS. SAND 280,200#, AVG PSI 8200, AVG RATE 72.4.
5/16/2012 FRACED STAGE 10/25. PERFED MARCELLUS @ 11617'-11794' W/ 9 SHOTS. SAND 279,300#, AVG PSI 8253, AVG RATE 76.6.
5/16/2012 FRACED STAGE 11/25. PERFED MARCELLUS @ 11379'-11559' W/ 9 SHOTS. SAND 283,300#, AVG PSI 8321, AVG RATE 77.2.
5/16/2012 FRACED STAGE 12/25. PERFED MARCELLUS @ 11137'-11319' W/ 9 SHOTS. SAND 277,700#, AVG PSI 8095, AVG RATE 74.3.
5/16/2012 FRACED STAGE 13/25. PERFED MARCELLUS @ 10897'-11079' W/ 9 SHOTS. SAND 259,400#, AVG PSI 8128, AVG RATE 72.9.
5/17/2012 FRACED STAGE 14/25. PERFED MARCELLUS @ 10657'-10839' W/ 9 SHOTS. SAND 281,700#, AVG PSI 8387, AVG RATE 77.8.
5/17/2012 FRACED STAGE 15/25. PERFED MARCELLUS @ 10417'-10599' W/ 9 SHOTS. SAND 282,500#, AVG PSI 8412, AVG RATE 79.6.
5/17/2012 FRACED STAGE 16/25. PERFED MARCELLUS @ 10177'-10359' W/ 9 SHOTS. SAND 282,200#, AVG PSI 8513, AVG RATE 80.7.
5/17/2012 FRACED STAGE 17/25. PERFED MARCELLUS @ 9937'-10119' W/ 9 SHOTS. SAND 283,600#, AVG PSI 8273, AVG RATE 81.6.
5/18/2012 FRACED STAGE 18/25. PERFED MARCELLUS @ 9637'-9879' W/ 8 SHOTS. SAND 351,400#, AVG PSI 8254, AVG RATE 86.7.
5/18/2012 FRACED STAGE 19/25. PERFED MARCELLUS @ 9364'-9579' W/ 8 SHOTS. SAND 281,600#, AVG PSI 8142, AVG RATE 78.7.
5/18/2012 FRACED STAGE 20/25. PERFED MARCELLUS @ 9037'-9279' W/ 8 SHOTS. SAND 324,900#, AVG PSI 8185, AVG RATE 84.5.
5/18/2012 FRACED STAGE 21/25. PERFED MARCELLUS @ 8740'-8979' W/ 8 SHOTS. SAND 353,700#, AVG PSI 8292, AVG RATE 85.1.
5/19/2012 FRACED STAGE 22/25. PERFED MARCELLUS @ 8437'-8679' W/ 8 SHOTS. SAND 328,900#, AVG PSI 8003, AVG RATE 86.0.
5/19/2012 FRACED STAGE 23/25. PERFED MARCELLUS @ 8137'-8379' W/ 8 SHOTS. SAND 334,500#, AVG PSI 8219, AVG RATE 93.3.
5/25/2012 FRACED STAGE 24/25. PERFED MARCELLUS @ 7840'-8079' W/ 8 SHOTS. SAND 349,100#, AVG PSI 7331, AVG RATE 86.6.
5/25/2012 FRACED STAGE 25/25. PERFED MARCELLUS @ 7537'-7779' W/ 8 SHOTS. SAND 395,300#, AVG PSI 7432, AVG RATE 88.9.

FORMATIONS ENCOUNTERED:

Fill	0	10	Sand/Shale	10	21	Clay	21	31	Sand/Shale	31	46
Sand	46	90	Coal	90	93	Shale	93	120	Sand/Shale	120	125
Sand	125	155	Sand/Shale	155	163	Coal	163	168	Sand/Shale	168	172
Sand	172	430	Sand/Shale	430	455	Sand	455	576	Coal	576	579
Sand/Shale	579	622	Sand	622	670	Sand/Shale	670	783	Shale	783	801
Shale/Sand	801	1000	RedRock	1000	1031	Shale/Sand	1031	1080	Sand	1080	1270
Sand/Shale	1270	1335	Sand	1335	1370	Sand/Shale	1370	1430	Lime	1430	1474
Injun	1474	1624	Shale/Sand	1624	1646	Fifty Foot	1646	1686	Shale/Sand	1686	1886
RedRock	1886	1995	Sand	1995	2015	Shale/Sand	2015	2104	5th Sand	2104	2125
Shale/Sand	2125	2182	Bayard	2182	2231	Sand/Shale	2231	3084	Sand	3084	3110
Sand/Shale	3110	3490	Sand	3490	3550	Sand/Shale	3550	3800	Benson	3800	3815
Shale	3815	3905	Sand/Shale	3905	3950	Sand	3950	3970	Shale	3970	4000
Shale/Sand	4000	5550									

GAMMA RAY / FORMATION TOPS

#ALT2EHS (405948) **47-097-03772H**

	TOP	BASE	
FORMATIONS MEASURED IN TVD			
HOLE NOT LOGGED UNTIL KICKOFF POINT			
BURKETT	6969	7021	
TULLY	7022	7062	
HAMILTON	7063	7118	
MARCELLUS	7119		
LTD	13559		

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State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: OCT 1 0 2012
API No: **47-097-03773H**
Lease No: 63848

Farm Name: WOODY, D.J., ET AL Operator Well No. **ALT2FHS (405950)**

LOCATION: Elevation: 2132' Quadrangle: Alton

District: Washington County: Upshur

Latitude: 9,930 Feet South of: 38 Deg. 50 Min. 00 Sec.

Longitude: 9,300 Feet West of: 80 Deg. 10 Min. 00 Sec.

Company: CNX Gas Company LLC formerly Consol Gas Company

	Casing and Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: P.O. Box 1248				
Jane Lew, WV 26378				
Agent: Richard K. Elswick				
Inspector: Bill Hatfield				
Date Permit Issued: 12/13/2010				
Date Well Work Commenced: 08/18/2011	30"	40'	40'	Grouted In
Date Well Work Completed: 05/23/2012				
Verbal Plugging:	13 3/8"	614'	614'	450 sks
Date Permission granted on:				
Rotary **Cable** **Rig** X	9 5/8"	2039'	2039'	710 sks
Total Vertical Depth (feet): 7195				
Total Measured Depth (feet): 11563	5 1/2"	11472'	11472'	501 bbls
Fresh Water Depth (ft.): 40', 157', 311'				
Salt Water Depth (ft.): N/A				
Is coal being mined in area (N/Y)?: No				
Coal Depths (ft.): 90'-93',163'-168',576'-579'				
Void(s) encountered (N/Y) Depth(s)				

OPEN FLOW DATA

Producing formation MARCELLUS Pay zone depth (ft) 7120'-11472'

Gas: Initial production 1267 MCF/d Oil: Initial open flow * Bbl/d

Final open flow 2873 MCF/d Final open flow * Bbl/d

Time of open flow between initial and final tests 1280 Hours

Initial Flowing Pressure 1525 psig (surface pressure) after 1388.5 Hours

Second Producing formation _____ Pay zone depth (ft) _____

Gas: Initial open flow * MCF/d Oil: Initial open flow * Bbl/d

Final open flow * MCF/d Final open flow * Bbl/d

Time of open flow between initial and final tests * Hours

Static rock Pressure * psig (surface pressure) after * Hours

COMMINGLED WITH PREVIOUS FORMATIONS

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete

R.K. Elswick
Signature

10-3-12
Date

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WELL: **ALT2FHS (405950)**

Were core samples taken? Yes____ No__X__ **Were cuttings caught during drilling?** Yes__X__ No____

Were ____ Electrical ____Mechanical , __X__ or Geophysical logs recorded on this well?

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

PERFORATED INTERVALS, FRACTURING, OR STIMULATING:

5/20/2012 FRACED STAGE 1/12. PERFED MARCELLUS @ 11157'-11391' W/ 15 SHOTS. SAND 402,600#, AVG PSI 7067, AVG RATE 90.3.
5/20/2012 FRACED STAGE 2/12. PERFED MARCELLUS @ 10844'-11096' W/ 7 SHOTS. SAND 401,700#, AVG PSI 6798, AVG RATE 80.7.
5/20/2012 FRACED STAGE 3/12. PERFED MARCELLUS @ 10545'-10796' W/ 7 SHOTS. SAND 181,700#, AVG PSI 7094, AVG RATE 80.5.
5/21/2012 FRACED STAGE 4/12. PERFED MARCELLUS @ 10245'-10496' W/ 7 SHOTS. SAND 370,200# , AVG PSI 7302, AVG RATE 99.6.
5/21/2012 FRACED STAGE 5/12. PERFED MARCELLUS @ 9945'-10196' W/ 7 SHOTS. SAND 403,100#, AVG PSI 7127, AVG RATE 92.5.
5/21/2012 FRACED STAGE 6/12. PERFED MARCELLUS @ 9745'-9896' W/ 7 SHOTS. SAND 316,800#, AVG PSI 7687, AVG RATE 86.5.
5/21/2012 FRACED STAGE 7/12. PERFED MARCELLUS @ 9345'-9593' W/ 7 SHOTS. SAND 402,800#, AVG PSI 7129, AVG RATE 92.8.
5/22/2012 FRACED STAGE 8/12. PERFED MARCELLUS @ 9045'-9296' W/ 7 SHOTS. SAND 369,900#, AVG PSI 7068, AVG RATE 94.3.
5/22/2012 FRACED STAGE 9/12. PERFED MARCELLUS @ 8745'-8996' W/ 7 SHOTS. SAND 403,500#, AVG PSI 7295, AVG RATE 93.9.
5/22/2012 FRACED STAGE 10/12. PERFED MARCELLUS @ 8445'-8696' W/ 7 SHOTS. SAND 370,500#, AVG PSI 7050, AVG RATE 94.7.
5/23/2012 FRACED STAGE 11/12. PERFED MARCELLUS @ 8145'-8391' W/ 7 SHOTS. SAND 401,500#, AVG PSI 6985, AVG RATE 92.9.
5/23/2012 FRACED STAGE 12/12. PERFED MARCELLUS @ 7845'-8096' W/ 7 SHOTS. SAND 352,600#, AVG PSI 6965, AVG RATE 93.3.

FORMATIONS ENCOUNTERED:

Fill	0	10	Sand/Shale	10	21	Clay	21	31	Sand/Shale	31	46
Sand	46	90	Coal	90	93	Shale	93	120	Sand/Shale	120	125
Sand	125	155	Sand/Shale	155	163	Coal	163	168	Sand/Shale	168	172
Sand	172	430	Sand/Shale	430	455	Sand	455	576	Coal	576	579
Sand/Shale	579	622	Sand	622	670	Sand/Shale	670	783	Shale	783	801
Shale/Sand	801	1000	RedRock	1000	1031	Shale/Sand	1031	1080	Sand	1080	1270
Sand/Shale	1270	1335	Sand	1335	1370	Sand/Shale	1370	1430	Lime	1430	1474
Injun	1474	1624	Shale/Sand	1624	1646	Fifty Foot	1646	1686	Shale/Sand	1686	1886
RedRock	1886	1995	Sand	1995	2015	Shale/Sand	2015	2104	5th Sand	2104	2125
Shale/Sand	2125	2182	Bayard	2182	2231	Sand/Shale	2231	3084	Sand	3084	3110
Sand/Shale	3110	3490	Sand	3490	3550	Sand/Shale	3550	3800	Benson	3800	3815
Shale	3815	3905	Sand/Shale	3905	3950	Sand	3950	3970	Shale	3970	4000
Shale/Sand	4000	5550									

GAMMA RAY / FORMATION TOPS

#ALT2FHS (405950) **47-097-03773H**

	TOP	BASE	
FORMATIONS MEASURED IN TVD			
HOLE NOT LOGGED UNTIL KICKOFF POINT			
BURKETT	6977	7020	
TULLY	7020	7058	
HAMILTON	7058	7120	
MARCELLUS	7120		
LTD	11564		

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State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 10-2-2012
API #: 47-103-02236

Farm name: Martin R Whitman Jr 1 Operator Well No.: 625599

LOCATION: Elevation: 1370' Quadrangle: Wileyville 7.5

District: Center County: Wetzel
Latitude: 725' Feet South of 39 Deg. 42 Min. 30 Sec.
Longitude 3700' Feet West of 79 Deg. 40 Min. 00 Sec.

Company: Chesapeake Appalachia, L.L.C.

Address: P.O. Box 18496	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Oklahoma City, OK 73154-0496	20"	40'	40'	Driven
Agent: Eric Gillespie	13 3/8"	1309'	1309'	1190 Cu. Ft.
Inspector: Mike Underwood	9 5/8"	2719'	2719'	443 Cu. Ft.
Date Permit Issued: 5-4-2007	5 1/2"	7780'	7780'	982 Cu. Ft.
Date Well Work Commenced: 6-11-2007				
Date Well Work Completed: 10-26-2007				
Verbal Plugging:				
Date Permission granted on:				
Rotary ☑ Cable ☐ Rig ☐				
Total Vertical Depth (ft): 7722' (PBTD 7,660')				
Total Measured Depth (ft): 7780'				
Fresh Water Depth (ft.): 283'				
Salt Water Depth (ft.): 2892'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 933-940', 1064'-1066'				
Void(s) encountered (N/Y) Depth(s) N				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)
Producing formation Marcellus Pay zone depth (ft) 7,124'-7,422'
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 46* MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 120 Hours *Calculated
Static rock Pressure 5,057* psig (surface pressure) after _____ Hours

Second producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Marlene Williams
Signature

10/3/2012
Date

Were core samples taken? Yes Y No_____ Were cuttings caught during drilling? Yes Y No_____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list TRIPLE COMBO DIPOLE SONIC FROM 2650'-7780

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

(See attached)

Plug Back Details Including Plug Type and Depth(s):

Formations Encountered: Top Depth / Bottom Depth

Surface:

(See attached)

PERFORATION RECORD ATTACHMENT

Well Number and Name: 625599 Martin R Whiteman JR 1

PERFORATION RECORD			STIMULATION RECORD							
	Interval Perforated					*Fluid*		*Propping Agent*		Average
Date	From	To	Date	Interval Treated		Type	Amount	Type	Amount	Injection
10/1/2007	7,335	7,378	10/3/2007	7,335	7,378	Slk wtr	9,206	Sand	153,000	40
10/23/2009	7,422	7,422	10/23/2009	7,422	7,422	Acid	15	NA	NA	2
10/24/2009	7,324	7,406	10/24/2009	7,324	7,406	Acid	15	NA	NA	2
10/25/2009	7,224	7,286	10/25/2009	7,224	7,286	Acid	15	NA	NA	2
10/26/2009	7,124	7,124	10/26/2009	7,124	7,124	Acid	15	NA	NA	2

PILOT WELLBORE

Maximum TVD of wellbore: 7722 ft TVD @ 7780 ft MD

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
SH/LS/SS	0	0	933	933
COAL	933	933	940	940
SANDY SH	940	940	1064	1064
COAL	1064	1064	1066	1066
SILTY SH	1066	1066	2364	2363
BIG LIME (LS)	2364	2363	2414	2412
BIG INJUN (SS)	2414	2412	2605	2603
SANDY SH	2605	2603	3005	3002
BEREA (SS)	3005	3002	3105	3102
SILTY SH	3105	3102	7193	7189
GENESEO (SH)	7193	7189	7221	7217
TULLY (LS)	7221	7217	7251	7246
HAMILTON (SH)	7251	7246	7334	7329
MARCELLUS (SH)	7334	7329	7379	7374
ONONDAGA	7379	7374	7421	7416
HUNTERSVILLE	7421	7416	7612	7607
ORISKANY	7612	7607	7706	7690
HELDERBERG	7706	7690	7780	7722
PILOT TD			7780	7722

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State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 10-3-2012
API #: 47-103-02371

Farm name: David Durig ETUX-Lucky D 8H Operator Well No.: 626888

LOCATION: Elevation: 1372' Quadrangle: Wileyville 7.5

District: Center County: Wetzel
Latitude: 4375' Feet South of 39 Deg. 45 Min. 00 Sec.
Longitude 14800' Feet West of 80 Deg. 37 Min. 30 Sec.

Company: Chesapeake Appalachia, L.L.C.

Address: P.O. Box 18496	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Oklahoma City, OK 73154-0496	20"	30'	30'	Driven
Agent: Eric Gillespie	13 3/8"	1235'	1235'	1291 Cu. Ft.
Inspector: Bill Hendershot	9 5/8"	2677'	2677'	763 Cu. Ft.
Date Permit Issued: 7/28/2008	5 1/2"	11540'	11540'	2004 Cu. Ft.
Date Well Work Commenced: 3-2-2009				
Date Well Work Completed: 8-18-2009				
Verbal Plugging:				
Date Permission granted on:				
Rotary ☑ Cable ☐ Rig ☐				
Total Vertical Depth (ft): 7286'				
Total Measured Depth (ft): 11540'				
Fresh Water Depth (ft.): 388'				
Salt Water Depth (ft.): None				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 1141'				
Void(s) encountered (N/Y) Depth(s) N				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)
Producing formation Marcellus Pay zone depth (ft) 7,809'-11,311'
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 1,080* MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 120 Hours *Calculated
Static rock Pressure 4,736* psig (surface pressure) after _____ Hours

Second producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Marlene Williams
Signature

10/3/2012
Date

Were core samples taken? Yes_____ No N_____ Were cuttings caught during drilling? Yes Y_____ No_____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list_____
LWD GR from 6460'-11540' MD

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

(See attached)

Plug Back Details Including Plug Type and Depth(s):

Formations Encountered: Top Depth / Bottom Depth
Surface:

(See attached)

Environmental

PERFORATION RECORD ATTACHMENT

Well Number and Name: 626888 David Durig Etux-Lucky D 8H

PERFORATION RECORD			STIMULATION RECORD							
	Interval Perforated					*Fluid*		*Propping Agent*		Average
Date	From	To	Date	Interval Treated		Type	Amount	Type	Amount	Injection
6/18/2009	10,809	11,311	7/3/2009	10,809	11,311	Slk wtr	10,572	Sand	585,628	89
7/3/2009	10,209	10,711	7/5/2009	10,209	10,711	Slk wtr	10,519	Sand	584,974	90
7/5/2009	9,609	10,111	7/6/2009	9,609	10,111	Slk wtr	12,953	Sand	240,402	83
7/11/2009	8,993	9,511	7/13/2009	8,993	9,511	Slk wtr	10,398	Sand	571,865	99.5
8/18/2009	8,409	8,911	8/18/2009	8,409	8,911	Slk wtr	9,678	Sand	229,434	88
8/18/2009	7,809	8,311	8/18/2009	7,809	8,311	Slk wtr	13,182	Sand	731,275	76

[illegible]

LATERAL WELLBORE (no vertical pilot hole associated with this well)

Maximum TVD of wellbore: 7286 ft TVD @ 11540 ft MD

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
Sandy Shale	0	0	1141	1140
Pittsburgh Coal	1141	1140	1150	1149
Silty Shale	1150	1149	1740	1739
Silty Sandstone	1740	1739	1900	1899
Silty Shale	1900	1899	2230	2229
Big Lime	2230	2229	2315	2314
Big Injun	2315	2314	2570	2569
Silty Shale	2570	2569	3200	3196
Gordon	3200	3196	3222	3218
Limey Shale	3222	3218	7106	7056
GENESEO (SH)	7106	7056	7131	7075
TULLY (LS)	7131	7075	7165	7097
HAMILTON (SH)	7165	7097	7381	7190
MARCELLUS (SH)	7381	7190		
TD OF LATERAL			11540	7286

WR-35
Rev (9-11)

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 10-26-2012
API #: 47-103-02714

Farm name: Vernon Johnson WTZ 10H Operator Well No.: 834482

LOCATION: Elevation: 1438' Quadrangle: Littleton 7.5

District: Clay County: Wetzel
Latitude: 1315' Feet South of 39 Deg. 45 Min. 00 Sec.
Longitude 11649' Feet West of 80 Deg. 32 Min. 30 Sec.

Company: Chesapeake Appalachia, L.L.C.

Address: P.O. Box 18496	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Oklahoma City, OK 73154-0496	20"	100'	100'	348 Cu. Ft.
Agent: Eric Gillespie	13 3/8"	1333'	1333'	1487 Cu. Ft.
Inspector: Bill Hendershot	9 5/8"	2895'	2895'	1223 Cu. Ft.
Date Permit Issued: 11-17-2011	5 1/2"	13379'	13379'	3261 Cu. Ft.
Date Well Work Commenced: 5-18-2012				
Date Well Work Completed: 7-29-2012				
Verbal Plugging:				
Date Permission granted on:				
Rotary ☑ Cable ☐ Rig ☐				
Total Vertical Depth (ft): 7729'(cement plug @6980'-8010')				
Total Measured Depth (ft): 13379'				
Fresh Water Depth (ft.): 220'				
Salt Water Depth (ft.): None				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 1237'				
Void(s) encountered (N/Y) Depth(s) N				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)
Producing formation Marcellus Pay zone depth (ft) 8,000'-13,244'
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 4,668* MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 41 Hours *Calculated
Static rock Pressure 4980* psig (surface pressure) after _____ Hours

Second producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

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OCT 31 2012

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Marlene Williams
Signature

10-26-2012
Date

Were core samples taken? Yes_____ No X Were cuttings caught during drilling? Yes X No_____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Triple Combo in vertical and MWD GR in lateral.

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

(See attached)

Plug Back Details Including Plug Type and Depth(s):

Formations Encountered: Top Depth / Bottom Depth

Surface:

(See attached)

PERFORATION RECORD ATTACHMENT

Well Number and Name: 834482 Vernon Johnson WTZ 10H

PERFORATION RECORD			STIMULATION RECORD							
	Interval Perforated					*Fluid*		*Propping Agent*		Average
Date	From	To	Date	Interval Treated		Type	Amount	Type	Amount	Injection
7/1/2012	12,662	13,244	7/21/2012	12,662	13,244	Slk wtr	12,729	Sand	692,710	76
7/1/2012	11,996	12,578	7/22/2012	11,996	12,578	Slk wtr	10,712	Sand	585,260	77
7/25/2012	11,330	11,912	7/25/2012	11,330	11,912	Slk wtr	14,436	Sand	677,020	79
7/25/2012	10,659	11,244	7/26/2012	10,659	11,244	Slk wtr	12,667	Sand	425,140	78
7/27/2012	9,998	10,580	7/27/2012	9,998	10,580	Slk wtr	13,504	Sand	689,520	79.7
7/27/2012	9,332	9,914	7/28/2012	9,332	9,914	Slk wtr	12,836	Sand	690,340	80
7/28/2012	8,666	9,248	7/28/2012	8,666	9,248	Slk wtr	12,710	Sand	689,200	78
7/29/2012	8,000	8,582	7/29/2012	8,000	8,582	Slk wtr	13,562	Sand	687,920	78.7

LATERAL WELLBORE

Maximum TVD of wellbore: 7693 ft TVD @ 9813 ft MD

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
SS/SLTSTN	0	0	300	300
SHALE	300	300	330	330
SS/SLTSTN	330	330	390	390
SS	390	390	1080	1080
SLTSTN	1080	1080	1284	1284
PITTSBURGH COAL	1284	1284	1290	1290
SLTSTN	1290	1290	1710	1710
SS/SLTSTN	1710	1710	1750	1750
SS	1750	1750	2210	2210
MAXTON	2210	2210	2370	2370
SHALE	2370	2370	2430	2430
LS	2430	2430	2498	2498
BIG INJUN	2498	2498	2754	2754
SHALE/SLTSTN	2754	2754	4380	4380
SLTSTN	4380	4380	4800	4800
SS/SLTSTN	4800	4800	4890	4890
SLTSTN	4890	4890	5280	5280
SHALE	5280	5280	5850	5850
SLTSTN	5850	5850	6300	6300
SHALE	6300	6212	7513	7374
MIDDLESEX	7513	7374	7658	7496
GENESEO	7658	7496	7689	7520
TULLY	7689	7520	7725	7547
HAMILTON	7725	7547	7892	7651
MARCELLUS	7892	7651	8017	7710
ONONDAGA	8017	7710	8029	7729
TD	8029	7729		
PLUG BACK	6904	6904		
SHALE	6904	6904	7500	7363
MIDDLESEX	7500	7363	7661	7498
GENESEO	7661	7498	7691	7520
TULLY	7691	7520	7730	7546
HAMILTON	7730	7546	7958	7651
MARCELLUS	7958	7651	13379	7658